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# ORIGINAL

# Before the FEDERAL COMMUNICATIONS COMMISSION Washington, D.C. 20554

MAY - 7 2001

FEDERAL COMMUNICATIONS COMMISSION
OFFICE OF THE SECRETARY

In the Matter of	)	
	)	
Amendment of Section 73.202(b),	)	MM Docket No. 01-69
Table of Allotments,	)	RM-10081
FM Broadcast Stations.	)	
(Parker, Arizona)	)	

TO: John A. Karousos, Chief Allocations Branch, Policy and Rules Division

#### COMMENTS AND COUNTERPROPOSAL

1. Farmworker Educational Radio Network, Inc.

("Farmworker") hereby submits these Comments and Counterproposal in response to the Notice of Proposed Rule Making ("NPRM"),

DA 01-693, released March 16, 2001, in the above-captioned proceeding. Farmworker holds a construction permit (File

No. BPH-971003ME) authorizing construction of a new FM station on Channel 230C3 in Parker, Arizona. In the NPRM, the Commission proposed that Channel 247C3 be allotted to Parker, Arizona as its fourth local aural transmission service. Farmworker hereby

counterproposes the following alternative allotments:

Community	Present	Proposed
Kingman, Arizona	224C1, 234C, 261C2	224C1, 261C2
Parker, Arizona	230C3, 257C2, 247C3 <sup>1</sup> /	239C3, 248B1, 257C2
Searchlight, Nevada		234C0
Boulder City, Nevada	274C	274C <sup>2/</sup>
Caliente, Nevada	233C1	232C1
Henderson, Nevada	231C, 239C, 263C	230C, 239C, 263C
Baker, California	235B1, 268B	268B, 276B1

- 2. The counterproposal envisions the following changes:
- -- Channel 234C, Kingman, Arizona, which is currently used in the operation of Station KFLG-FM, would be moved to Channel 234C0 in Searchlight, Nevada.
- -- Channel 248B1 would be substituted for Channel 230C3, Parker, Arizona, which is currently specified in Farmworker's construction permit (File No. BPH-971003ME). This substitution is mutually exclusive with the proposal to allot Channel 247C3 to Parker, as set forth in the NPRM. However, to assure that, as envisioned in the NPRM, Parker is ultimately allotted three FM channels, the instant counterproposal also proposes the allotment of Channel 239C3 to Parker.
- -- Channel 230C would be substituted for Channel 231C in Henderson, Nevada, which is currently used in the operation of Station KMXB(FM).

 $<sup>^{1/}</sup>$  The allotment of Channel 247C3 to Parker is proposed in the captioned rule making proceeding.

 $<sup>\</sup>frac{2}{}$  While no change in the Boulder City channel is proposed, it is proposed to subject that channel to a site restriction.

- -- Channel 276B1 would be substituted for Channel 235B1 in Baker, California, which appears currently to be a construction permit associated with Station KKBK(FM).
- -- Channel 232C1 would be substituted for Channel 233C1 in Caliente, Nevada, which is currently a vacant allotment.
- -- Channel 274C in Boulder City, Nevada, would be unchanged, except for the imposition of a site restriction. That channel is currently used in the operation of Station KSTJ(FM). Undersigned counsel understands that, upon adoption of the channel allotments proposed herein, the licensee of Station KSTJ(FM) will submit an application proposing relocation of its transmitter consistent with these allotments.

An engineering statement demonstrating compliance with the Commission's channel allotment standards is included herewith.

- 3. These counterproposals are preferrable to the allotment originally proposed in the NPRM. The original proposal would have resulted in the addition of a third local FM service to Parker. The counterproposals, by contrast, preserve the allotment of two channels to Parker, propose allotment of a third channel to Parker, and still provide a new service to Searchlight, which presently has no local radio service.
- 4. As described in the materials included as Attachment A hereto, Searchlight is a community of approximately 800 located midway between Las Vegas and Laughlin, Nevada. It has an elementary school (Grades 1-5), a volunteer fire and ambulance service, a justice of the peace and a State Fish and Game Warden.

  See Attachment A. It is served by a sub-station under the jurisdiction of the Las Vegas Metropolitan Police Department,

with two full-time officers resident in Searchlight and two
Nevada Highway Patrolmen serving the Searchlight area. Id. The
Searchlight Community Center houses the Medical Clinic, a branch
of the Las Vegas/Clark County Library, the Searchlight Historic
Museum, and other facilities. Id. Searchlight also has two
churches, a full-service post office, and a senior citizens
center, as well as a number of clubs and civic organizations
(e.g., AMVETS, Shriners, Ladies Club, VFW, Museum Guild). Id.
Although a number of translator stations are authorized to serve
Searchlight, no full-service AM or FM radio stations are licensed
to Searchlight.

- 5. Undersigned counsel has been advised that the licensees of Stations KSTJ(FM) and KFLG-FM have consented to the proposed changes. Since the Caliente, Nevada channel is presently vacant, no consent is necessary in connection with that aspect of the counterproposal. Appropriate reimbursement of reasonable expenses incurred in connection with the resulting changes will be made.
- 6. Upon approval of the counterproposal set out herein, Farmworker will seek to amend its authorization consistently with the approved changes and thereafter to construct and operate consistently with the amended authorization.

WHEREFORE, for the reasons stated, Farmworker requests that

the Commission's FM Table of Allotments be revised as follows:

Community	Present	Proposed
Kingman, Arizona	224C1, 234C, 261C2	224C1, 261C2
Parker, Arizona	230C3, 257C2, 247C3 <sup>3/</sup>	239C3, 248B1, 257C2
Searchlight, Nevada		234C0
Boulder City, Nevada	274C	274C
Caliente, Nevada	233C1	232C1
Henderson, Nevada	231C, 239C, 263C	230C, 239C, 263C
Baker, California	235B1, 268B	268B, 276B1

Respectfully submitted,

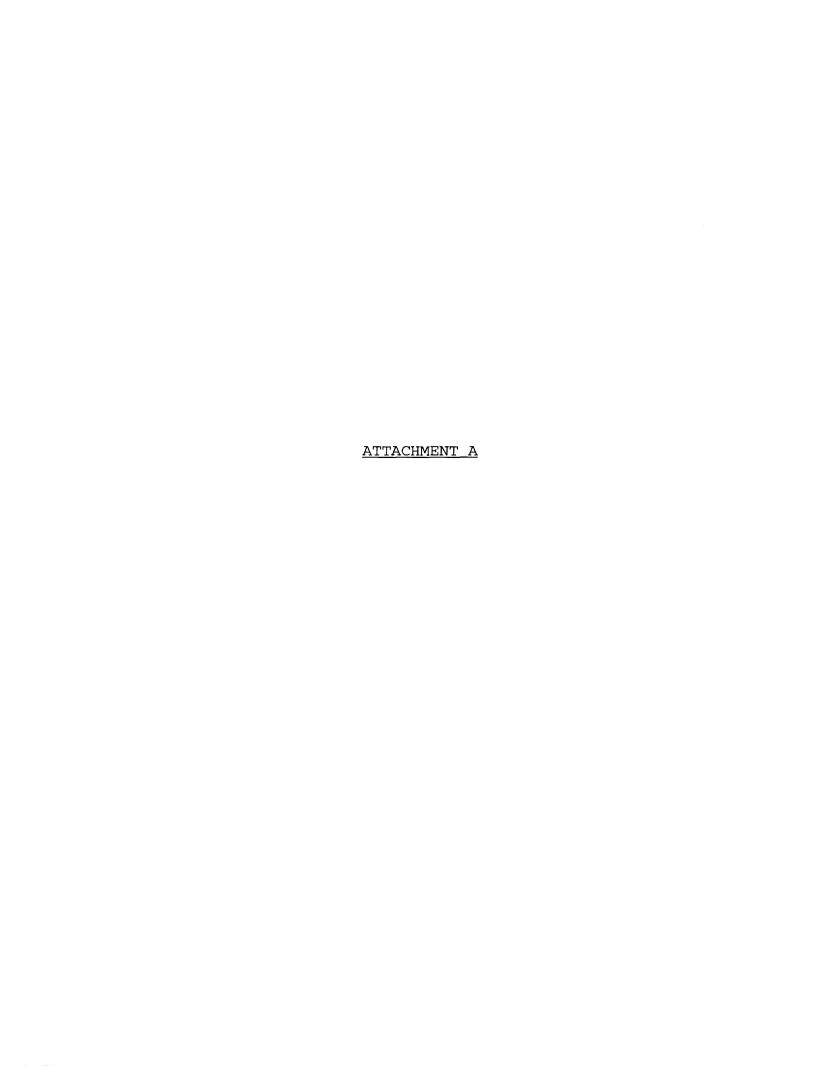
/s/ Anne Thomas Paxson Anne Thomas Paxson

Borsari & Paxson 2021 L Street, N.W. Suite 402 Washington, D.C. 20036 (202) 296-4800

Counsel for Farmworker Educational Radio Network, Inc.

May 7, 2001

 $<sup>^{\</sup>mbox{\scriptsize 3}/}$  The allotment of Channel 247C3 to Parker is proposed in the captioned rule making proceeding.



# SEARCHLIGHT, NV

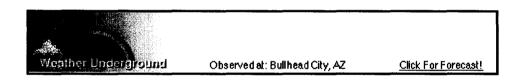
### 100 YEARS OLD!

1898 - 1998

### The best kept secrets in Nevada - Searchlight & Cottonwood Cove Resort on Lake Mohave

The background midi music on this page is the SEARCHLIGHT RAG written by Scott Joplin.

The Centennial Celebration WAS hosted by the Searchlight Museum Guild and the Citizens of Searchlight.



For the Centennial Celebration, a Bell/Bow Theater was set up to show movies of former Searchlight residents, Clara Bow and Rex Bell and Senator Harry Reid was on hand to meet with his constituents and sign copies of his books. Judy Paxton and her band provided live entertainment and a variety of other entertainment was provided as well.

There was something of interest happening during the entire celebration! So if you missed it... well, you missed out 'cause we only have this party once every hundred years!!! BUT... Searchlight is still a great place to visit. It is often referred to as one of the best kept secrets in Nevada.

This historic and beautiful mining town sits just fourteen miles up-hill from beautiful Cottonwood Cove on Lake Mohave. (Tell the truth... did you know there was a lake out in the middle of the desert between Vegas and Laughlin? In fact, did you know the Colorado River forms this lake? Hmmmm...)

And I'll tell you another little-known secret... Searchlight has a pretty cool 4th of July celebration every year... so if you don't think you can make it for the bi-centennial (100 years from now) - you might want to stop by Searchlight in July... or any other time you are just looking for a beautiful, peaceful and serene place to visit. Trust me... no hustle, bustle in the streets of Searchlight... I think

that might be because we don't have many streets. :-) But we do have big-horn sheep, coyotes, desert tortoise, roadrunners, deer, jack rabbits, wild burros (do NOT try to pet them) and some of the most beautiful sunrises and sunsets that God has ever created - on a daily basis. and did I mention the desert flowers? the cactus? the hot springs? the mountains? the quiet coves? the waterfalls?

Searchlight is situated in the Colorado River Basin in Clark County, Nevada. Located on U.S. 95 and State Route 164, midway between Las Vegas and Laughlin. Elevation is 3,540 feet.



A BRIEF HISTORY OF SEARCHLIGHT

Searchlight has a most interesting and intriguing history that includes many famous names: Clara Bow, Rex Bell, Edith Head, Louis Meyer, LT William Nellis, U.S. Senator Harry Reid, John Macready, James Cashman, and an endless list of colorful and fascinating characters that are fodder for the legends of the old west.

Scott Joplin, who never lived in Searchlight, was so intrigued by the stories of his composer friend, Tom Turpin - who had spent time in Searchlight in his youth - that he composed the Searchlight Rag.

Initial discoveries of predominately gold ore were first made at this location on May 6, 1897. G. F. Colton filed the first claim, later to become the Duplex Mine.

The Searchlight Mining District was founded July 20, 1898. The Quartette Mining Company, formed in 1900, became the mainstay of the Searchlight District, producing almost half of the area's total output. In May, 1902, a 16-mile narrow-gauge railroad was built down the hill to the company's mill

on the Colorado River.

The Searchlight Post Office was established in October 1898. Searchlight began to boom in 1902 and reached its peak year in 1907. Up to 1940 total production amounted to \$4.5 million. On March 31, 1907, the 23.22-mile Barnwell and Searchlight Railroad connected the town with the then main Santa Fe line from Needles to Mojave. By 1919 trains were operating over the B and S Railroad only twice a week. A severe washout on September 23, 1923, halted traffic completely. Train service was never restored.

In the 1900's, Searchlight was a typical busy mining town of a reported 1,500 people. At this time, they were larger than Las Vegas. There were many gold and silver mines that were good producers in the Searchlight mining district. The "Mines of Searchlight" map dated October 1906, shows that there were well over 300 mining claims in the area at that time. Eventually, the gold and silver production cost went up and the grade of ore went down, so people started to move on. By 1927, there were about 50 people left in Searchlight.

#### SEARCHLIGHT TODAY

Today the Searchlight community has approximately 800 residents and about 50% of them are retired. The other 50% are an eclectic mix of miners, ranchers, small business owners and artists.

Searchlight has the Harry Reid Elementary School (named in honor of the US Senator) which serves grades 1 through 5. Searchlight also has a sub-station under the jurisdiction of the Las Vegas Metropolitan Police Department, with two full-time officers who reside in Searchlight and two Nevada Highway Patrolmen serve the Searchlight area. There is a Justice of the Peace, The Honorable Judge Wendell Turner, and a State Fish & Game Warden to serve the community.

Searchlight has a volunteer fire and ambulance service. There are two fire trucks that can respond to an area of 20 miles in all directions and there is also an ambulance which is manned by certified volunteers.

The Searchlight Community Center was dedicated in October 1989. The center houses the Medical Clinic, a branch of the Las Vegas/Clark Country Library, the Searchlight Historic Museum, office of Clark County Parks and Recreation Representative, meeting rooms, multi-purpose rooms and a kitchen

There are two churches, a full service post office and a senior citizens center. The center offers a TV, ceramic kiln, pool table, card tables, classes in ceramics, sewing and quilting. Porcelain and painting classes are also offered. Bingo and cards games are held once a week. The seniors support their building expenses with bake sales, rummage sales, and raffles.

There are several clubs and organizations available in the community. AMVETS, Roadrunners, Shriners, Ladies Club, Senior Citizens Club, VFW, Art & Craft Guild and the Museum Guild.

Searchlight is the *Gateway to Lake Mohave*. Only fourteen miles *down* the hill is beautiful Cottonwood Cove, one of the best Large Mouth Bass fisheries in the West. The Cottonwood Cove Resort and Marina is located inside Lake Mead National Recreation Area, administered by the National Park Service. Campgrounds, fuel, a cafe', marina store and motel are available. Searchlight and it's surrounding areas are appealing to those who love nature and the outdoors. The quaint and peaceful desert community of Searchlight - just minutes away from beautiful Cottonwood Cove on Lake Mohave, definitely IS one of the best kept secrets in Nevada.

May 07 01 05:54p

JOHN J. MULLANEY JOHN H. MULLANEY, P.E. (1994) ALAN E. GEARING, P.E. 301 921-0115 Voice 301 590-9757 Fax mullengr@aol.com E-mail

#### MULLANEY ENGINEERING, INC.

9049 SHADY GROVE COURT GAITHERSBURG, MD 20877

#### **ENGINEERING EXHIBIT EE-RM:**

**COUNTERPROPOSAL - MM DOC 01-69** 

RULE MAKING TO AMEND FM TABLE OF ALLOTMENTS

SUBSTITUTION OF CH. 248B1 FOR 230C3 AT PARKER, AZ ALLOTMENT OF CH. 239C3 IN LIEU OF 247C3 AT PARKER, AZ SUBSTITUTION OF CH. 276B1 FOR 235B1 AT BAKER, CA SUBSTITUTION OF CH. 232C1 FOR 233C1 AT CALIENTE, CA SUBSTITUTION OF CH. 230C FOR 231C AT HENDERSON, NZ ALLOTMENT OF CH. 234C0 AT SEARCHLIGHT, NV

MAY 7, 2001

Prepared on behalf of

Farmworker Educational Radio Network, Inc.

MULLANEY ENGINEERING, INC.

#### Declaration

I, John J. Mullaney, declare and state that I am a graduate electrical engineer with a B.E.E. and my qualifications are known to the Federal Communications Commission, and that I am an principal engineer in the firm of Mullaney Engineering, Inc., and that I have provided engineering services in the area of telecommunications since 1977. My qualifications as an expert in radio engineering are a matter of record with the Federal Communications Commission.

The firm of Mullaney Engineering, Inc., has been requested to prepare the instant engineering exhibit in support of a counter proposal in MM Docket 01-69 regarding the allotment of a new FM channel to Parker, Arizona.

All facts contained herein are true of my own knowledge except where stated to be on information or belief, and as to those facts, I believe them to be true. I declare under penalty of perjury that the foregoing is true and correct.

/s/ John J. Mullaney

John J. Mullaney, Consulting Engineer
Executed on the 7th day of Map 2001

#### MULLANEY ENGINEERING, INC.

#### **ENGINEERING EXHIBIT EE-RM:**

#### COUNTERPROPOSAL - MM DOC 01-69

#### **RULE MAKING TO AMEND** FM TABLE OF ALLOTMENTS

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#### **NARRATIVE STATEMENT:**

This engineering statement has been prepared in support of a counter proposal in MM Docket 01-69 which proposes the allotment of Channel 247C3 at Parker, Arizona. The purpose of this statement is to provide engineering in support of a rule making petition to amend the FM Table of Allotments and when appropriate to modify the license of the station affected as follows:

Substitution of Ch. 248B1 for 230C3 at Parker, AZ, for use by permittee Farmworker Educational Radio Network, Inc.

Allotment of Ch. 239C3 in lieu of 247C3 at Parker, AZ, pending RM proposal in MM Docket 01-69.

Substitution of Ch. 276B1 for 235B1 at Baker, CA, for use by permittee of KKBK.

Substitution of Ch. 232C1 for 233C1 at Caliente, CA, - Vacant Allotment.

Substitution of Ch. 230C for 231C at Henderson, NV, for use by licensee of KMXB.

Allotment of Ch. 234C0 at Searchlight, NV, for use by licensee of KFLG and the deletion of 234C from Kingman, AZ.

p.5

May 07 01 05:55p

Counterproposal - MM Doc 01-69

MULLANEY ENGINEERING, INC.

Allotment of Ch. 278C3 to Eutaw & 282A to Moundville, AL

April 2001

Several of the proposed changes involve communities within 290 kilometers of the of a United States Border and, therefore, Mexican concurrence is required.

#### **Technical Proposal**

Figures 1 to 7 are channel allocation studies for each of the proposals using whatever site is appropriate. Each of the proposals are close enough to their respective city of license to provide a city grade signal. The following specific comments are provided:

Figure 1 - Ch. 248B1 proposes a site located in California, 12 km north of Parker, AZ. Since the class of the channel is governed by where the proposed site is to be located the allotment must be a Class B1 facility since it will be in California. (34-15-20 / 114-17-20)

Figure 2 - Ch. 239C3 uses the city reference coordinates for Parker, AZ, thus, mooting the need for a site restriction as proposed in the NPRM. (34-08-49 / 114-17-10)

Figure 3 - Ch. 276B1 uses the official CP coordinates of KKBK.

Figure 4 - Ch. 274C uses an area where KSTJ has agreed to file a change of site application upon completion of the RM. This site is just 7.7 km away from its current site and easily provides city grade service. (36-00-30 / 115-00-20)

Figure 5 - Ch. 232C1 uses the same reference point as that currently used for 233C1.

p.6

May 07 01 05:55p

Counterproposal - MM Doc 01-69 Allotment of Ch. 278C3 to Eutaw & 282A to Moundville, AL April 2001 MULLANEY ENGINEERING, INC.

Figure 6 - Ch. 230C uses the currently licensed site of KMXB.

Figure 7 - Ch. 234C0 uses a special reference point desired by KFLG (Site: 35-56-30 / 115-03-01). It is located 54.2 km from Searchlight, NV (City: 35-27-55 / 114-55-08). A CO facility has a city grade reference distance of 59 km and thus, the proposed site easily provides city grade service.

Farmworker Educational Radio Network, Inc., believes that the proposed changes to the table of allotments will result in a preferential arrangement of allotments and therefore, serves the public interest. If granted, Farmworker will quickly file an CP application for operation on 248B1 and will see that other licensees similarly file as needed.

/s/ John J. Mullaney
John J. Mullaney, Consulting Engineer

May 7, 2001.

#### MULLANEY ENGINEERING, INC.

#### **ENGINEERING EXHIBIT EE-RM:**

#### COUNTERPROPOSAL - MM DOC 01-69

### RULE MAKING TO AMEND FM TABLE OF ALLOTMENTS

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- 2. Narrative Statement
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- 4. Figure 2, Channel Allocation Study for Ch. 239C3 RM From City Ref. Point for Parker, AZ.
- 5. Figure 3, Channel Allocation Study for Ch. 276B1 KKBK From CP Ref. Point for Baker, CA.
- 6. Figure 4, Channel Allocation Study for Ch. 274C KSTJ. From Special Ref. Point for Boulder City, AZ.
- 7. Figure 5, Channel Allocation Study for Ch. 232C1 VAC.
  From Allotment Ref. Point for Caliente, NV.
- 8. Figure 6, Channel Allocation Study for Ch. 230C KMXB. From License Ref. Point for Henderson, NV.
- 9. Figure 7, Channel Allocation Study for Ch. 234C0 KFLG. From Special Ref. Point for Searchlight, NV.

******* PM CHANNEL STUDY NO. 1 - MULLS	NEY ENGINEERING, INC. LAST UPDATE:	GAITHERSBURG, MARYLANI 010506	7-MAY-01 10:03:0	3 ******** ********
CP 248 B1 FR PARKER AZ US 34.1520 114.1720 (D.MMSS) 97.5 MHz	POLARIZATION	0.000 100.0	RCAMSL (MEYER)	
THE FOLLOWING CONTOURS ARE CALCULATED USING: ERP= 25.000 (KW) 14.0 (DBK) HAAT- 100.0 (N		CALCULATED HAAT FROM TO	DPO DATA BASE	
INTERFERING DOMESTIC DBU KM DBU RM CO CHANNEL { 40.0} 113.6 (34.0) 146.3 1ST ADJACENT (54.0) 60.2 (48.0) 80.2 2ND ADJACENT (80.0) 12.9 (74.0) 19.2 3RD ADJACENT (100.0) 4.1 (94.0) 5.8  PROTECTED (60.0) 39.1 (57.0) 44.7 CITY GRADE (70.0) 23.2	,	AVERAGE 100.0  EST SITE ELEVATION : EST RAD CENTER AGL :	HAAT CONTOURS (KM) (FEET) 70 DBU 60 D 85.3 12.7 22. 309.3 22.6 38. 821.5 35.4 55. 826.9 35.5 55. 940.8 37.6 57. 614.1 30.7 50151.6 12.7 22821.5 12.7 22. 328.1 23.2 39. 379.3 m.; 1244.4 ft. 67.8 m.; 222.4 ft. 447.1 m.; 1466.9 ft.	7 26.5 1 43.7 1 61.5 2 61.7 64.3 3 56.2 7 26.5 7 26.5
***THE MEXICAN ISLAND OF LOS	Coronados IS 344.3 KM ************************************	ON A BEARING OF 235.2	**************************************	*********
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179.9 359.9 ADD RM10081 PARKER	AZ A 34.0311 114.1718	IST 247C3 H V	OK 22.5 13	. s
270.3 88.7 KSSE LIC BLH951215KD RIVERSIDE 71.9 253.5 KVNA-P LIC BLH860925KA FLAGSTAFF 353.9 173.7 KVEG CP BMPH980723IA MESQUITE 355.2 175.1 KLUK LIC BLH950502KA NEEDLES	AZ A 34.5806 111.3028 ( NV A 36.3506 114.3601 ( CA A 35.0206 114.2209 )	CO 248C 100H 43V 4 CO 248C 100H 100V 6 2ND 250C1 29.5H29.5V 4	00 260.0 25 73 86.8	59. 59. C 77.

THERE WERE 0 AM STATIONS WITHIN 6.43 KM (4 MI) OF THE FM REFERENCE COORDINATES

NOTE: PARKER 247C3 MOVED TO 239C3 AT CITY REFERENCE POINT 34-08-49 / 114-17-10

CHANNEL ALLOCATION STUDY FOR CH. 248B1 -FARMWORKER FROM SPECIAL REF. POINT FOR PARKER, AZ

COUNTERPROPOSAL - MM DOC 01 - 69

MULLANEY ENGINEERING, INC. GAITHERSBURG, MARYLAND

> FIGURE 1 MAY 2001

*****	*** FM ******	CHANNE	EL STUD	Y NO.	1 - MULL ***	ANEY	ENGIN		NG, IN T UPDA			SBURG,			7-MAY-01 10	:58:24 ******	****	****
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						VER	RTICAL		25.	000	0.00	10 1	00.0	301.6				
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INTERFERTI	NG :	DOMEST	'IC							DI	GREES	(MET	ERS)	(FEET)	70 DBU	60 DBU		
	D.	BU	KM								0.0	•	3.4	-11.1	12.7	22.7		
CO CHANNEI	L (40	.0) 11									45.0	17.	3.1	567.9	29.6	48.8		
1ST ADJACE	NT (54	.0) 6	0.2		CITY OF PA	RKER,	ΑZ				90.0	6	7.2	220.4	19.1	32.7		
2ND ADJACEI			2.9								135.0	7	7.0	252.7	20.4	34.8		
3RD ADJACE	NT (100	.0)	4.1								180.0	14.	3.2	470.0	27.2	45.1		
											225.0	19	3.1	633.5	31.2	50.5		
PROTECT	ED ( 60	.0) 3	9.1								270.0	14:		466.5	27.1	45.0		
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CITY GRAI	DE ( 70	.0) 2	3.2															
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FROM TO	CALL	STS	FILE	NUMBER	CITY	ST C			SS)	REI	CHN			(M) A	DI	ST RSEP	RSEP	IR IC
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113.1 294.3	KYOT-F	LIC	BMLH95	0925KC	PHOENIX	AZ A	33.2	006	112.03	9 1S	238C	100B	100B	479		.0 176.		
342.6 162.2	KWNR	LIC	BLH89	0629KB	HENDERSON	NV A	36.0	031	115.002	2 1ST	238C	100B	100B	354 195D 115.9	216	.7 176.		
242.9 61.3	KMSX	LIC	BLH9	0205KF	CARLSBAD	CA A	32.5	024	117.145	2 CO	239B	29H	29V	195D	311	.1 211.		
338.4 158.2	NEW	APP	BNPL00	0608AF	SALINAS	CA A	34.4	914	114.364	3 CO	239L1	Н	V4	115.9	80	.5 78.		С
72.6 253.8	KZGL	LIC	BLH9	0505KD	COTTONWOO	AZ A	34.4	114	112.070	0 1S	240C1	9 H	97	760	208	.3 144.		
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DISTANCE DI		CALL			LOCATION				FREQ.			co	ORDINA	ATES	FILE NO.		ZIMUTI M TO	
0.49	0.78	KLPZ	PARI	ŒR			AZ			c NI	l Day	34-09-	14N 11	14-17-15W	BL		6 170	

CHANNEL ALLOCATION STUDY FOR CH. 239C3 -RM FROM CITY REF. POINT FOR PARKER, AZ

COUNTERPROPOSAL - MM DOC 01 - 69

MULLANEY ENGINEERING, INC. GAITHERSBURG, MARYLAND

> FIGURE 2 MAY 2001

52.2 232.8 KISF LIC

235.7 55.1 KIQQ-F CP

235.6 55.0 KIQQ-F LIC

**********	L STUDY NO. 1 - MULI	ANEY ENGINEERIN LAST	G, INC. GA UPDATE: 01	10506	URG, MARYL		-MAY-01 10:		
KKBK BPH971107MS	276 B1 FM	POLARIZATION	ERP	(KW)	наат	RCAMSL			
BAKER CA US	CP			BM TILT					
35.2610 115.5525 (D.MMS	S) 103.1 MHz	HORIZONTAL	1.000	0.000	,	1368			
BAKER BROADCASTING, LLC	-,	VERTICAL	1.000			1368			
THE FOLLOWING CONTOURS ERP= 1.000 (KW) 0.0	ARE CALCULATED USING: (DBK) HAAT= 403.4 (	METERS)	CAI	CULATED	HAAT FROM	TOPO DATA	BASE		
` '	• • • • • • • • • • • • • • • • • • • •	,	AZ	HTUMI	наат	наат	CONTOURS	(KM)	
INTERPERING DOMEST	ic			GREES	(METERS)	(FEET)	70 DBU (		57 DRII
	KM DBU KM			0.0	311.7	1022.8	18.4	31.8	37.2
CO CHANNEL ( 40.0) 9	=			45.0	187.0	613.5	14.1	24.9	29.1
1ST ADJACENT (54.0) 5				90.0	151.6	497.2	12.6	22.7	26.5
2ND ADJACENT ( 80.0) 1				135.0	267.1	876.2	16.9	29.5	34.7
3RD ADJACENT (100.0)				180.0	573.2	1880.4	25.2	43.6	50.2
SKD ADDREEMI (100.0)	2.1 (54.0) 5.0			225.0	607.9	1994.3	25.2	44.9	51.6
PROTECTED ( 60.0) 3	6 1 757 0) 41 7			270.0	682.6	2239.4	27.5	47.5	54.3
PROTECTED ( 00.0) 3	o.r (21.p) 41.1			315.0	445.3	1464.1	27.3	37.9	
CIMY COADE / 70 A) 3	0.0			313.0	440.3	1404.1	21.0	37.9	43.8
CITY GRADE ( 70.0) 2	V.0			AVERAGE	403.4	1323.5	20.8	36.1	41.7
**************************************	HE MEXICAN ISLAND OF LO	s Coronados IS	355.3 KM C	N A BEAR	RING OF 20	1.4 DEG. TR	UE***		
***T	HE MEXICAN ISLAND OF LO	s Coronados IS ************************************	355.3 KM C	N A BEAR	RING OF 201	1.4 DEG. TR ************************************	**************************************	*****	******
7*** *************	HE MEXICAN ISLAND OF LO	s Coronados IS ************************************	355.3 KM C	N A BEAR	RING OF 201	1.4 DEG. TR ********** TRUE***	**************************************	*****	******
***T	HE MEXICAN ISLAND OF LO	s Coronados IS ***************** DER IS 309.9 KM ********	355.3 KM C	N A BEAR	RING OF 201	1.4 DEG. TR ********* TRUE*** ***********	UE*** ***************	******	************  ************  IC REZLT
***T *********************************	HE MEXICAN ISLAND OF LO	s Coronados IS	355.3 KM C	N A BEAR	RING OF 201	1.4 DEG. TR ********* TRUE*** ***********	UE*** *********************************	****** *******	IC REZLT RSEP IR IC
***T *********************************	HE MEXICAN ISLAND OF LO	S Coronados IS ************** DER IS 309.9 KM *************  LAT ST C (D.MMS	ON A BEAR LONG S) REL	ON A BEAN	RING OF 201	1.4 DEG. TR ********* TRUE*** ********** HAAT D (M) A	DIS7	******* ******* IR F RSEP	*********  IC REZLT RSEP IR IC (KM)
***T  *********  ********  AZIMUTH  FROM TO CALL STS	HE MEXICAN ISLAND OF LO	S Coronados IS ************** DER IS 309.9 KM *************  LAT ST C (D.MMS	355.3 KM C	CHN E	RING OF 201 174.8 DEG. ERP (KW) HORZ VERT	1.4 DEG. TR ********* TRUE*** ********** HAAT D (M) A	DIS7	*******  IR I RSEP (KM) L 31.	*********  IC REZLT RSEP IR IC (KM)
***T  *************************  AZIMUTH  FROM TO CALL STS  32.8 213.1 KOMP LIC	HE MEXICAN ISLAND OF LO ************************************	S Coronados IS ************************************	355.3 KM C **************  ************  LONG S) REL  15.3003 IF 16.1004 3RB	ON A BEAN ************************************	ERP (KW) HORZ VERT	1.4 DEG. TR  *********  TRUE***  **********  HAAT D  (M) A  1124	UE***  *********  DIST (KM) 70.1 82.2	IR RSEP (KM) 1 31. 2 48.	*********  IC REZLT RSEP IR IC (KM)
***T  ********************************	HE MEXICAN ISLAND OF LO ************************************	S Coronados IS ***************  DER IS 309.9 KM ***********  LAT ST C (D.MMS  NV A 35.5757 1 CA A 34.4321 1 AZ A 35.1456 1	355.3 KM C **********  ON A BEAR ********  LONG S) REL 15.3003 IF 16.1004 3RE 14.4437 2ND	ON A BEAN ************************************	RING OF 20: ******************  174.8 DEG. ************  ERP (KW) I HORZ VERT  25H 25V H V	1.4 DEG. TR  *********  TRUE***  **********  **********  *********	UE***  *********  DIST (KM) 70.1 82.2	*******  IR I RSEP (KM) L 31.	**********  IC REZLT RSEP IR IC (KM)
***T  *************************  AZIMUTH FROM TO CALL STS  32.8 213.1 KOMP LIC 195.7 15.6 VAC 100.7 281.3 KBYE LIC	HE MEXICAN ISLAND OF LO ************************************	S Coronados IS ***************  DER IS 309.9 KM ***********  LAT ST C (D.MMS  NV A 35.5757 1 CA A 34.4321 1 AZ A 35.1456 1	355.3 KM C *********  ON A BEAR ********  LONG S) REL 15.3003 IF 16.1004 3RE 14.4437 2ND 14.4458 2ND	CHN F 222C 273A 274C 274C	RING OF 20: ****************  L74.8 DEG. ***********  ERP (KW) HORZ VERT  25H 25V H V 53H 53V	1.4 DEG. TR  *********  TRUE***  **********  **********  *********	UE***  *********  DIST (KM) 70.1 82.2 109.3	*******  IR F RSEP (KM) L 31. 2 48. 3 105.	IC REZLT RSEP IR IC (KM)  C C C
***T  ********************************	HE MEXICAN ISLAND OF LO ************************************	S COronados IS ***************  DER IS 309.9 KM ***********  LAT ST C (D.MMS  NV A 35.5757 1 CA A 34.4321 1 AZ A 35.1456 1 AZ A 35.1508 1 NV A 35.5945 1	355.3 KM C **********  ON A BEAR *********  LONG S) REI 15.3003 IF 16.1004 3RE 14.4437 2ND 14.4438 2ND 14.5151 2ND	CHN F 222C 273A 274C 274C	ERING OF 20: **************  L74.8 DEG. ***********  ERP (KW) HORZ VERT  25H 25V H V 53H 53V 42H 42V H V	1.4 DEG. TR  *********  TRUE***  **********  RAAT D  (M) A  1124  734  724	UE***  **********  DIST (KM) 70.1 82.2 109.3 108.7	*******  IR FRSEP (KM) 1 31. 2 48. 3 105. 7 105. 2 105.	*********  IC REZLT RSEP IR IC (KM)  C C
***T  *****************************  AZIMUTH FROM TO CALL STS  32.8 213.1 KOMP LIC 195.7 15.6 VAC 100.7 281.3 KBYE LIC 100.5 281.2 KBYE APP 56.6 237.3 VAC 54.3 234.8 KSTJ CP	HE MEXICAN ISLAND OF LO ************************************	S COronados IS ******************  DER IS 309.9 KM *************  LAT ST C (D.MMS  NV A 35.5757 1 CA A 34.4321 1 AZ A 35.1456 1 AZ A 35.1508 1 NV A 35.5945 1 NV A 35.5946 1	355.3 KM C ***********  ON A BEAR *********  LONG S) REL  15.3003 IF 16.1004 3RE 14.4437 2ND 14.4458 2ND 14.5151 2ND 15.0234 2ND	CHN F 222C 273A 274C 274C 274C	ERING OF 20: *************  L74.8 DEG. ***********  ERP (KW) HORZ VERT  25H 25V H V 53H 53V 42H 42V H V 99B 99B	1.4 DEG. TR  *********  TRUE***  **********  RAAT D  (M) A  1124  734  724  603 O	UE***  **********  DIST (KM) 70.1 82.2 109.3 108.7 114.2 K 97.8	*******  IR FRSEP (KM) 1 31. 2 48. 3 105. 7 105. 2 105. 3 105.	IC REZLT RSEP IR IC (KM)  C C C
***T*  *******************************	HE MEXICAN ISLAND OF LO ************************************	EAT ST C (D.MMS  NV A 35.5757 1 CA A 34.4321 1 AZ A 35.1456 1 AZ A 35.5945 1 NV A 35.5945 1 NV A 35.5646 1 CA A 33.5158 1	355.3 KM C  ************  ON A BEAR  ***********  LONG S) REI  15.3003 IF  16.1004 3RB 14.4437 2ND 14.4458 2ND 14.5151 2ND 15.0234 2ND 16.2556 CO	CHN F 222C 273A 274C 274C 274C 274C 276A	ERING OF 20: ***************  174.8 DEG. ***********  ERP (KW) HORZ VERT  25H 25V H V 53H 53V 42H 42V H V 99B 99B 1.9H 1.9V	1.4 DEG. TR  **********  TRUE***  ***********  **********  ********	UE***  **********  DIST (KM) 70.1 82.2 109.3 108.7 114.2 K 97.8	*******  IR FRSEP (KM) 1 31. 2 48. 3 105. 7 105. 2 105. 3 105. 3 143.	*********  IC REZLT RSEP IR IC (KM)  C C
***T.  ********************************	HE MEXICAN ISLAND OF LO ************************************	LAT ST C (D.MMS  NV A 35.5757 1 CA A 34.4321 1 AZ A 35.1456 1 AZ A 35.5945 1 NV A 35.5945 1 NV A 35.5945 1 NV A 35.5945 1 AZ A 33.5158 1 AZ A 34.3256 1	ON A BEAR  LONG S) REL  15.3003 IF 16.1004 3RB 14.4437 2ND 14.4458 2ND 14.5151 2ND 15.0234 2ND 16.2556 CO 13.1405 CO	CHN F  222C 273A 274C 274C 274C 274C 274C 276A 276C3	ERING OF 20: *****************  ERP (KW) HORZ VERT  25H 25V H V 53H 53V 42H 42V H V 99B 99B 1.9H 1.9V 3.5H 3.5V	1.4 DEG. TR  **********  TRUE***  ***********  **********  ********	UE***  **********  DIST (KM) 70.1 82.2 109.3 108.7 114.2 K 97.8	*******  IR FRSEP (KM) 1 31. 2 48. 3 105. 7 105. 2 105. 3 105. 3 175.	*********  IC REZLT RSEP IR IC (KM)  C C
***T.  ********************************	HE MEXICAN ISLAND OF LO ************************************	LAT ST C (D.MMS  NV A 35.5757 1 CA A 34.4321 1 AZ A 35.1456 1 AZ A 35.1508 1 NV A 35.5945 1 NV A 35.5945 1 NV A 35.5646 1 CA A 34.3256 1 CA A 34.3645 1	ON A BEAR  LONG S) REL  15.3003 IF 16.1004 3RB 14.4437 2ND 14.4458 2ND 14.5151 2ND 15.0234 2ND 16.2556 CO 13.1405 CO 17.1731 CO	CHN F  222C 273A 274C 274C 274C 274C 274C 276A 276C3 276A	ERING OF 20: ************************************	1.4 DEG. TR  **********  TRUE***  ***********  RAAT D (M) A  1124  734  724  603 O 180 269E 434	UE***  **********  DIST (KM) 70.1 82.2 109.3 108.7 114.2 K 97.8 180.3 264.5	*******  IR F RSEP (KM) 1 31. 2 48. 3 105. 7 105. 2 105. 3 105. 3 143. 5 175. 7 143.	*********  IC REZLT RSEP IR IC (KM)  C C
***T.  ********************************	HE MEXICAN ISLAND OF LO ************************************	LAT ST C (D.MMS  NV A 35.5757 1 CA A 34.4321 1 AZ A 35.1456 1 AZ A 35.1508 1 NV A 35.5945 1 NV A 35.5945 1 NV A 35.5646 1 CA A 34.3256 1 CA A 34.3645 1 CA A 34.3645 1 CA A 34.3644 1	355.3 KM C ************  ON A BEAR ***********  LONG S) REI  15.3003 IF 16.1004 3RB 14.4437 2NB 14.4458 2NB 14.5151 2NB 15.0234 2NB 16.2556 CO 13.1405 CO 17.1731 CO 17.1729 CO	CHN H 222C 273A 274C 274C 274C 274C 274C 276A 276C3 276A 276A	ERING OF 20: ************************************	1.4 DEG. TR  **********  TRUE***  ***********  **********  ********	UE***  **********  DIST (KM) 70.1 82.2 109.3 108.7 114.2 K 97.8 180.3 264.5	*******  IR F RSEP (KM) 1 31. 2 48. 3 105. 7 105. 2 105. 3 105. 3 143. 5 175. 7 143. 7 143.	*********  IC REZLT RSEP IR IC (KM)  C C
***T.  ********************************	HE MEXICAN ISLAND OF LO ************************************	LAT ST C (D.MMS  NV A 35.5757 1 CA A 34.4321 1 AZ A 35.1456 1 AZ A 35.1508 1 NV A 35.5945 1 NV A 35.5945 1 NV A 35.5646 1 CA A 34.3256 1 CA A 34.3645 1 CA A 34.3645 1 CA A 34.3644 1	ON A BEAR  LONG S) REL  15.3003 IF 16.1004 3RB 14.4437 2NB 14.4458 2NB 14.5151 2NB 15.0234 2NB 16.2556 CO 13.1405 CO 17.1731 CO 17.1731 CO 17.1729 CO 18.2208 CO	CHN F  222C 273A 274C 274C 274C 274C 274C 276A 276A 276A 276A	ERING OF 20: ************************************	1.4 DEG. TR  ***********  TRUE***  TRUE***  ***********  HAAT D  (M) A  1124  734  724  603 O  180  269E  434  475  176	UE***  **********  DIST (KM) 70.1 82.2 109.3 108.7 114.2 K 97.8 180.3 264.5	*******  IR F RSEP (KM) 1 31. 2 48. 3 105. 7 105. 2 105. 3 143. 5 175. 7 143. 7 143. 1 143.	*********  IC REZLT RSEP IR IC (KM)  C C

THERE WERE 0 AM STATIONS WITHIN 6.43 KM (4 MI) OF THE FM REFERENCE COORDINATES

NOTE: KSTJ HAS AGREED TO CHANGE SITES | 7.7 KM AWAY | 36-00-30 / 115-00-20

BLH890310KD LAS VEGAS NV A 36.0029 115.0020 2ND 278C

BPH960305MA NEWBERRY CA A 34.5319 116.5339 3RD 279A

BLH001219AB NEWBERRY CA A 34.5307 116.5345 3RD 279A

CHANNEL ALLOCATION STUDY FOR CH. 276B1 -KKBK FROM CP REF. POINT FOR BAKER, CA.

COUNTERPROPOSAL - MM DOC 01 - 69

MULLANEY ENGINEERING, INC. GAITHERSBURG, MARYLAND

100H 100V 353

6H 6V 75

6H 6V 86

104.5 105.

107.3 48.

107.6 48.

FIGURE 3 MAY 2001

(MILES)

3.56

(KM)

5.73 KDOX HENDERSON

FROM TO

28.6 208.6

********	CHANNEL STUDY NO.	1 - MULLA ****	ney eng:			GAITHERSE 010506			7-MAY-01				
KSTJ	274 C FR		POLARI	ATTON	ER	P (KW)	НААТ	RCAMSL					
BOULDER CITY NV	US				HOR PLN				)				
36.0030 115.0020		Z	HORIZO	ITAL	100.000		•		,				
•	•		VERTICA		100.000								
THE FOLLOWING CONT						CALCULATED	HAAT FRO	M TOPO DATA	A BASE				
ERP= 100.000 (KW)	20.0 (DBK) HAAT	= 600.0 (M	eters)			AZIMUTH	НААТ	НААТ	CONTO	IIRS /I	KM1		
INTERFERING I	OMESTIC					DEGREES	(METERS)			BU 6	•		
DE						0.0	759.7				98.0		
CO CHANNEL ( 40.						45.0	724.9	2378.1			96.6		
1ST ADJACENT ( 54.	•					90.0	515.1	1689.9			87.6		
2ND ADJACENT ( 80.	•					135.0	597.9	1961.7			91.7		
3RD ADJACENT (100.	•					180.0	500.8	1643.1			86.8		
0.10	.,					225.0	390.8	1282.1			79.1		
PROTECTED ( 60.	0) 91.8					270.0	606.1	1988.6		9 9	92.1		
	.,					315.0	704.6	2311.8			95.8		
CITY GRADE ( 70.	0) 67.7					AVERAGE	600.0	1968.5	67.	7 9	91.8		
***********		EXICAN BORD	ER IS 36	6.0 KM	ON A B				******	****	*****	*****	****
	*******	*********	******		******				*******	****	*****	****	****
AZIMUTH	*******	********		ΛT	LONG		******		********	*****	***** IR		***** REZLT
AZIMUTH FROM TO CALL			L	ΛT	LONG	*******	******	HAAT D		DIST	IR RSEP	IC RSEP	REZLT
FROM TO CALL	STS FILE NUMBE	R CITY	L∤ ST C	AT (D.MMS	LONG S)	***********	ERP (KW)	HAAT D		DIST	IR RSEP (KM)	IC RSEP (KM)	REZLT IR IC
FROM TO CALL 316.9 136.4	STS FILE NUMBE	R CITY	LA ST C NV A 36.	AT (D.MMS 4141 1	LONG S) 15.4837	***********	ERP (KW)	HAAT D		DIST (KM) 105.0	IR RSEP (KM) 105.	IC RSEP (KM)	REZLT IR IC
FROM TO CALL 316.9 136.4 316.9 136.4	STS FILE NUMBE ADD RM ADD RM	R CITY INDIAN SP	L/ ST C NV A 36. NV A 36.	AT (D.MMS 4141 1 4142 1	LONG S) 15.4837 15.4837	***********	ERP (KW)	HAAT D		DIST (KM) 105.0	IR RSEP (KM) 105.	IC RSEP (KM)	REZLT IR IC
FROM TO CALL 316.9 136.4 316.9 136.4 216.7 36.1	STS FILE NUMBE  ADD RM  ADD RM  VAC RM9696	R CITY INDIAN SP INDIAN SP LUDLOW	ST C NV A 36. NV A 36. CA A 34.	AT (D.MMS 4141 1 4142 1 4321 1	LONG S) 15.4837 15.4837 16.1004	*************  REL CHN  2ND 272C  2ND 276C  1ST 273A	ERP (KW) HORZ VERT H H H	HAAT D (M) A V V V		DIST (KM) 105.0 105.0	IR RSEP (KM) 105. 105.	IC RSEP (KM)	REZLT IR IC
FROM TO CALL  316.9 136.4 316.9 136.4 216.7 36.1 235.4 53.7 KIIS-F	STS FILE NUMBE. ADD RM ADD RM VAC RM9696 LIC BLH5361	R CITY INDIAN SP INDIAN SP LUDLOW LOS ANGEL	ST C NV A 36. NV A 36. CA A 34. CA A 34.	AT (D.MMS 4141 1 4142 1 4321 1 1336 1	LONG S) 15.4837 15.4837 16.1004 18.0357	REL CHN  2ND 272C 2ND 276C 1ST 273A CO 274B	ERP (KW) HORZ VERT H H H H H 8H	HAAT D (M) A V V V V V V V V V V		DIST (KM) 105.0 105.0 177.5 341.9	IR RSEP (KM) 105. 105. 165. 274.	IC RSEP (KM)	REZLT IR IC s s
FROM TO CALL  316.9 136.4 316.9 136.4 216.7 36.1 235.4 53.7 KIIS-F	STS FILE NUMBE. ADD RM ADD RM VAC RM9696 LIC BLH5361	R CITY INDIAN SP INDIAN SP LUDLOW	ST C NV A 36. NV A 36. CA A 34. CA A 34.	AT (D.MMS 4141 1 4142 1 4321 1 1336 1	LONG S) 15.4837 15.4837 16.1004 18.0357	REL CHN  2ND 272C 2ND 276C 1ST 273A CO 274B	ERP (KW) HORZ VERT H H H H H H 8H	HAAT D (M) A V V V V V V V V V V		DIST (KM) 105.0 105.0 177.5 341.9	IR RSEP (KM) 105. 105. 165. 274.	IC RSEP (KM)	REZLT IR IC s s
FROM TO CALL  316.9 136.4  316.9 136.4  216.7 36.1  235.4 53.7 KIIS-F  164.3 344.4 KBYE  96.2 276.3	STS FILE NUMBE.  ADD RM  ADD RM  VAC RM9696  LIC BLH5361  LIC BLH910808K.  VAC RM9696	R CITY INDIAN SP INDIAN SP LUDLOW LOS ANGEL A BULLHEAD BOULDER C	ST C  NV A 36.  NV A 36.  CA A 34.  CA A 34.  AZ A 35.  NV A 35.	(D.MMS 4141 1 4142 1 4321 1 1336 1 1456 1	LONG S) 15.4837 15.4837 16.1004 18.0357 14.4437	REL CHN  2ND 272C 2ND 276C 1ST 273A CO 274B CO 274C  CO 274C	ERP (KW) HORZ VERT  H H H H SH S3H S3H H	HAAT D (M) A V V V V V V 734	TO 289C	DIST (KM) 105.0 105.0 177.5 341.9 87.5	IR RSEP (KM) 105. 105. 274. 290.	IC RSEP (KM)	REZLT IR IC s s
FROM TO CALL  316.9 136.4  316.9 136.4  216.7 36.1  235.4 53.7 KIIS-F  164.3 344.4 KBYE  96.2 276.3	STS FILE NUMBE.  ADD RM  ADD RM  VAC RM9696  LIC BLH5361  LIC BLH910808K.  VAC RM9696	R CITY INDIAN SP INDIAN SP LUDLOW LOS ANGEL A BULLHEAD	ST C  NV A 36.  NV A 36.  CA A 34.  CA A 34.  AZ A 35.  NV A 35.	(D.MMS 4141 1 4142 1 4321 1 1336 1 1456 1	LONG S) 15.4837 15.4837 16.1004 18.0357 14.4437	REL CHN  2ND 272C 2ND 276C 1ST 273A CO 274B CO 274C  CO 274C	ERP (KW) HORZ VERT  H H H H SH S3H S3H H	HAAT D (M) A V V V V V V 734	TO 289C	DIST (KM) 105.0 105.0 177.5 341.9 87.5	IR RSEP (KM) 105. 105. 165. 274. 290.	IC RSEP (KM)	REZLT IR IC s s
FROM TO CALL  316.9 136.4 316.9 136.4 216.7 36.1 235.4 53.7 KIIS-F 164.3 344.4 KBYE  96.2 276.3 205.8 25.8 KSTJ	STS FILE NUMBE.  ADD RM  ADD RM  VAC RM9696  LIC BLH5361  LIC BLH91080BK.  VAC RM9696  CP BPH000922A	R CITY  INDIAN SP INDIAN SP LUDLOW LOS ANGEL A BULLHEAD  BOULDER C D BOULDER C G CHINA LAK	ST C  NV A 36. NV A 36. CA A 34. CA A 35. NV A 35. NV A 35. NV A 35.	AT (D.MMS 4141 1 4142 1 4321 1 1336 1 1456 1 5945 1 5646 1	LONG S) 15.4837 15.4837 16.1004 18.0357 14.4437 14.5151 15.0234	REL CHN  2ND 272C 2ND 276C 1ST 273A CO 274B CO 274C CO 274C CO 274C CO 274C	ERP (KW) HORZ VERT  H H H 8H 87 53H 53  H 99B 99	HAAT D (M) A V V V V V V 734	TO 289C	DIST (KM) 105.0 105.0 177.5 341.9 87.5	IR RSEP (KM) 105. 105. 274. 290.	IC RSEP (KM)	REZLT IR IC s s
FROM TO CALL  316.9 136.4 316.9 136.4 216.7 36.1 235.4 53.7 KIIS-F 164.3 344.4 KBYE  96.2 276.3 205.8 25.8 KSTJ  261.5 79.9 KSSI	STS FILE NUMBE.  ADD RM  ADD RM  VAC RM9696  LIC BLH5361  LIC BLH91080BK.  VAC RM9696  CP BPH000922A	INDIAN SP INDIAN SP LUDLOW LOS ANGEL A BULLHEAD BOULDER C D BOULDER C G CHINA LAK C SEDONA	LI ST C NV A 36 NV A 36 CA A 34 CA A 35 NV A 35 NV A 35 NV A 35	AT (D.MMS 4141 1 4142 1 4321 1 1336 1 1456 1 5945 1 5646 1 3906 1 5805 1	LONG S) 15.4837 15.4837 16.1004 18.0357 14.4437 14.5151 15.0234 17.4058 11.3029	REL CHN  2ND 272C 2ND 276C 1ST 273A CO 274B CO 274C CO 274C CO 274C CO 274C CO 274C	ERP (KW) HORZ VERT  H H H 8H 87 53H 53  H 99B 99 3H 3100B 100	HAAT D (M) A V V V V V V F F F F F F F F F F F F F	TO 289C	DIST (KM) 105.0 105.0 177.5 341.9 87.5 12.8 7.7 245.1 337.7	IR RSEP (KM) 105. 105. 165. 274. 290. 290. 290. 241.	IC RSEP (KM)	REZLT IR IC s s
FROM TO CALL  316.9 136.4 316.9 136.4 216.7 36.1 235.4 53.7 KIIS-F 164.3 344.4 KBYE  96.2 276.3 205.8 25.8 KSTJ  261.5 79.9 KSSI 109.0 291.1 KQST 49.2 230.2	STS FILE NUMBER  ADD RM  ADD RM  VAC RM9696  LIC BLH95361  LIC BLH91080BK  VAC RM9696  CP BPH000922A  LIC BLH950410K  LIC BLH961028K	INDIAN SP INDIAN SP INDIAN SP LUDLOW LOS ANGEL A BULLHEAD BOULDER C BOULDER C CHINA LAK SEDONA HURRICANE	LI ST C NV A 36. NV A 36. CA A 34. CA A 35. NV A 35. NV A 35. NV A 35.	AT (D.MMS 4141 1 4142 1 4321 1 1336 1 1456 1 5646 1 3906 1 5805 1 1030 1	LONG S) 15.4837 15.4837 16.1004 18.0357 14.4437 14.5151 15.0234 17.4058 11.3029 13.1724	REL CHN  2ND 272C 2ND 276C 1ST 273A CO 274B CO 274C CO 274C CO 274C CO 274C CO 274C	ERP (KW) HORZ VERT  H H H SH 8H 53H 53 H 99B 99 3H 3100B 100B	HAAT D (M) A V V V V V V V F F F F F F F F F F F F	TO 289C	DIST (KM) 105.0 105.0 177.5 341.9 87.5 12.8 7.7 245.1 337.7 200.8	IR RSEP (KM) 105. 105. 165. 274. 290. 290. 291. 226. 241. 176.	IC RSEP (XM)	REZLT IR IC S S S
FROM TO CALL  316.9 136.4 316.9 136.4 216.7 36.1 235.4 53.7 KIIS-F 164.3 344.4 KBYE  96.2 276.3 205.8 25.8 KSTJ  261.5 79.9 KSSI 109.0 291.1 KQST	STS FILE NUMBER  ADD RM  ADD RM  VAC RM9696  LIC BLH95361  LIC BLH91080BK  VAC RM9696  CP BPH000922A  LIC BLH950410K  LIC BLH961028K	INDIAN SP INDIAN SP INDIAN SP LUDLOW LOS ANGEL A BULLHEAD BOULDER C BOULDER C CHINA LAK SEDONA HURRICANE	LI ST C NV A 36. NV A 36. CA A 34. CA A 35. NV A 35. NV A 35. NV A 35.	AT (D.MMS 4141 1 4142 1 4321 1 1336 1 1456 1 5646 1 3906 1 5805 1 1030 1	LONG S) 15.4837 15.4837 16.1004 18.0357 14.4437 14.5151 15.0234 17.4058 11.3029 13.1724	REL CHN  2ND 272C 2ND 276C 1ST 273A CO 274B CO 274C CO 274C CO 274C CO 274C CO 274C	ERP (KW) HORZ VERT  H H H SH 8H 53H 53 H 99B 99 3H 3100B 100B	HAAT D (M) A V V V V V V V F F F F F F F F F F F F	TO 289C	DIST (KM) 105.0 105.0 177.5 341.9 87.5 12.8 7.7 245.1 337.7 200.8	IR RSEP (KM) 105. 105. 165. 274. 290. 290. 291. 226. 241. 176.	IC RSEP (KM)	REZLT IR IC S S S

(KHZ)

NV US 1280 Lic ND1 Day 36-03-13N 114-58-30W

CHANNEL ALLOCATION STUDY FOR CH. 274C -KSTJ. FROM SPECIAL REF. POINT FOR BOULDER CITY, AZ

COUNTERPROPOSAL - MM DOC 01 - 69

MULLANEY ENGINEERING, INC. GAITHERSBURG, MARYLAND

BL

FIGURE 4 MAY 2001

194.0 13.7 KMXB LIC

193.9 13.6 KMXB CP

218.4 36.9 KDUC LIC

82.0 262.8 KBRE-F LIC

87.8 268.5 KBRE-F USE

VAC

0.0 0.0

(KM) (KM) (KM)

S

183.8 209.

183.6 209.

370.9 233.

0.0 177.

125.4 82.

100.6 82.

OK

OK

100B 100B 354

55H 55V -37

H V

H V

******* FM CHANNEL STUDY NO. 1 - MUL	LANEY ENGINEERIN LAST	G, INC.	GAITHERSB 010506	URG, MARYLA		MAY-01 10:		
FCC REF. 232 C1 FA	POLARIZATION	ERP	(KW)	НААТ	RCAMSL			
CALIENTE NV US VACANT			BM TILT	• •	(METER)			
37.3654 114.3048 (D.MMSS) 94.3 MHz	HORIZONTAL		0.000					
	VERTICAL	0.000	0.000	0.0				
THE FOLLOWING CONTOURS ARE CALCULATED USING: ERP= 100.000 (KW) 20.0 (DBK) HAAT= 299.0	(METERS)	C	ALCULATED	HAAT FROM	TOPO DATA E	BASE		
			AZIMUTH	HAAT	HAAT	CONTOURS	(KM)	
INTERFERING DOMESTIC		1	DEGREES	(METERS)	(FEET)			
DBU KM			0.0	310.1	1017.5		73.1	
CO CHANNEL ( 40.0) 171.9			45.0	436.6	1432.3	58.3	82.5	
1ST ADJACENT ( 54.0) 105.0			90.0	391.7	1285.0	55.8	79.1	
2ND ADJACENT ( 80.0) 33.7			135.0	241.6	792.7	46.1	67.6	
3RD ADJACENT (100.0) 10.1			180.0	150.4			58.5	
·			225.0	402.1	1319.2	56.4	79.9	
PROTECTED ( 60.0) 72.3			270.0	208.7	684.8	43.7	64.6	
			315.0	250.7	822.6	46.7	68.3	
CITY GRADE ( 70.0) 50.0								
			AVERAGE	299.0	981.0	50.0	72.3	
			EST SIT	E ELEVATION	1347 9	m.; 4422.4	ft.	
						m.; 1898.8		
						m.; 6321.2		
						·		
*******************************	******	******	******	********	******	******	******	******
AZIMUTH	LAT	LONG		ERP (KW) H			IR	IC REZLT
FROM TO CALL STS FILE NUMBER CITY	ST C (D.MMS	S) R	EL CHN I	HORE VERT	(M) A	DIS	T RSEP	RSEP IR IC

THERE WERE 0 AM STATIONS WITHIN 6.43 KM (4 MI) OF THE FM REFERENCE COORDINATES

BMLH951120KF HENDERSON NV A 36.0026 115.0024 1ST 231C 100H 100V 369

BLH911031KC BARSTOW CA A 34.5815 117.0222 CO 232B1 4.6H 4.6V 239

CALIENTE NV A 37.3654 114.3048 1ST 233C1

CEDAR CIT UT A 37.3841 113.2228 3RD 235C1

BPH991005AB HENDERSON NV A 36.0030 115.0020 1ST 231C

BLH890717KF CEDAR CIT UT A 37.4551 113.0615 3RD 235C1

NOTE: KMBX BEING MOVED TO CH. 230C AT LIC SITE

CHANNEL ALLOCATION STUDY FOR CH. 232C1 - VAC. FROM ALLOTMENT REF. POINT FOR CALIENTE, NV.

COUNTERPROPOSAL - MM DOC 01 - 69

MULLANEY ENGINEERING, INC. GAITHERSBURG, MARYLAND

FIGURE 5 MAY 2001

******* FM CHANNEL STUDY NO. 1 - MUL		G, INC. GAITHERSE UPDATE: 010506				16 ********
KMXB BMLH951120KF 230 C FM	POLARIZATION	נווע מפת	11337	DCANCE		
HENDERSON NV US LIC	PODARIZATION	- 1		RCAMSL		
36.0026 115.0024 (D.MMSS) 93.9 MHz	HODICANON	HOR PLN BM TIL		(METER)		
		100.000 0.000		1050		
INFINITY RADIO LICENSE INC.	VERTICAL	100.000 0.000	0 369.0	1050		
THE FOLLOWING CONTOURS ARE CALCULATED USING: ERP= 100.000 (KW) 20.0 (DBK) HAAT= 353.6	(METERS)	CALCULATE	O HAAT FROM TO	OPO DATA BASE		
		AZIMUTH	ТААН	HAAT C	ONTOURS (KM)	
INTERFERING DOMESTIC		DEGREES	(METERS)	(FEET)	70 DBU 60 D	)BU
DBU KM		0.0	517.6	1698.1	63.3 87.	.8
CO CHANNEL ( 40.0) 178.5		45.0	477.6	1567.0	60.7 85.	.3
1ST ADJACENT ( 54.0) 112.2		90.0	267.9	878.8	47.9 69.	.7
2ND ADJACENT ( 80.0) 37.0		135.0	353.3	1159.2	53.6 76.	3
3RD ADJACENT (100.0) 11.0		180.0		826.7	46.8 68.	4
		225.0		476.3	37.7 57.	
PROTECTED ( 60.0) 76.3		270.0		1174.7	53.8 76.	
PROTECTED ( 00.0) 10.3		315.0		1500.B	59.5 84.	
CITY GRADE ( 70.0) 53.6		313.0	431.3	1300.0	JJ.J 04.	· U
CITI GRADE ( 70.0) 33.0		AVERAGE	353.6	1160.2	53.6 76.	3
***********	*********	**********	****	******		********
		ON A BEARING OF				
**************************************					*********	**********
****************				,		~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~
3 7 TM197U	T አጥ	LONG	מאי מפט	ייי ו	т	ים זר ספעויד.
AZIMUTH	LAT	LONG	ERP (KW) HAA	AT D	Diem be	R IC REZLT
AZIMUTH FROM TO CALL STS FILE NUMBER CITY	LAT ST C (D. HMS		ERP (KW) HAA HORZ VERT (1	AT D () A	DIST RS	R IC REZLT
FROM TO CALL STS FILE NUMBER CITY	ST C (D.HMS	S) REL CHN			(KM) (K	LM) (KM)
FROM TO CALL STS FILE NUMBER CITY  151.7 332.0 KADD LIC - BLH971104KG LAUGHLIN	ST C (D. MMS)	S) REL CHN 14.2157 2ND 228C1	2.75H2.75V 5	576	(KM) (K 122.7 1	M) (KM) .05.
FROM TO CALL STS FILE NUMBER CITY  151.7 332.0 KADD LIC BLH971104KG LAUGHLIN 55.0 235.9 KSNN LIC BLH991105AA SAINT GE	ST C (D.HMS: NV A 35.0158 1 O UT A 36.5049 1	S) REL CHN  14.2157 2ND 228C1 13.2928 2ND 228C2	2.75H2.75V 5	576 577	(KM) (K 122.7 1 164.8 1	M) (KM) .05. .05.
FROM TO CALL STS FILE NUMBER CITY  151.7 332.0 KADD LIC BLH971104KG LAUGHLIN 55.0 235.9 KSNN LIC BLH991105AA SAINT GE 204.7 24.0 KCLB-F LIC BLH940317KA COACHELL	ST C (D.HMS NV A 35.0158 1 O UT A 36.5049 1 A CA A 33.4807 1	S) REL CHN  14.2157 2ND 228C1 13.2928 2ND 228C2 16.1327 1ST 229B	2.75H2.75V 5 2.4H 2.4V 5 26.5H26.5V 1	576 577 197	(KM) (K 122.7 1 164.8 1 268.8 2	M) (KM) .05. .05. .17.
FROM TO CALL STS FILE NUMBER CITY  151.7 332.0 KADD LIC BLH971104KG LAUGHLIN 55.0 235.9 KSNN LIC BLH991105AA SAINT GE 204.7 24.0 KCLB-F LIC BLH940317KA COACHELL 41.9 223.7 KCYQ LIC BLH961107KA RICHFIEL	ST C (D.MMS: NV A 35.0158 1. 0 UT A 36.5049 1 A CA A 33.4807 1: D UT A 38.3230 1:	S) REL CHN  14.2157 2ND 228C1 13.2928 2ND 228C2 16.1327 1ST 229B 12.0331 1ST 229C	2.75H2.75V 5 2.4H 2.4V 5 26.5H26.5V 1 41H 41V 8	576 577 197	(KM) (K 122.7 1 164.8 1 268.8 2 384.0 2	M) (KM) .05. .05. .17. .41.
FROM TO CALL STS FILE NUMBER CITY  151.7 332.0 KADD LIC BLH971104KG LAUGHLIN 55.0 235.9 KSNN LIC BLH991105AA SAINT GE 204.7 24.0 KCLB-F LIC BLH940317KA COACHELL	ST C (D.MMS: NV A 35.0158 1. 0 UT A 36.5049 1 A CA A 33.4807 1: D UT A 38.3230 1:	S) REL CHN  14.2157 2ND 228C1 13.2928 2ND 228C2 16.1327 1ST 229B 12.0331 1ST 229C	2.75H2.75V 5 2.4H 2.4V 5 26.5H26.5V 1 41H 41V 8	576 577 197 379	(KM) (K 122.7 1 164.8 1 268.8 2	M) (KM) .05. .05. .17. .41.
FROM TO CALL STS FILE NUMBER CITY  151.7 332.0 KADD LIC BLH971104KG LAUGHLIN 55.0 235.9 KSNN LIC BLH991105AA SAINT GE 204.7 24.0 KCLB-F LIC BLH940317KA COACHELL 41.9 223.7 KCYQ LIC BLH961107KA RICHFIEL	ST C (D.MMS: NV A 35.0158 1. 0 UT A 36.5049 1 A CA A 33.4807 1: D UT A 38.3230 1. F AZ A 34.5808 1:	S) REL CHN  14.2157 2ND 228C1 13.2928 2ND 228C2 16.1327 1ST 229B 12.0331 1ST 229C	2.75H2.75V 5 2.4H 2.4V 5 26.5H26.5V 1 41H 41V 8	576 577 197 379 160	(KM) (K 122.7 1 164.8 1 268.8 2 384.0 2 337.8 2	M) (KM) 05. 05. 117. 41.
FROM TO CALL STS FILE NUMBER CITY  151.7 332.0 KADD LIC BLH971104KG LAUGHLIN 55.0 235.9 KSNN LIC BLH991105AA SAINT GE 204.7 24.0 KCLB-F LIC BLH940317KA COACHELL 41.9 223.7 KCYQ LIC BLH961107KA RICHFIEL 109.0 291.0 KMGN LIC BMLH940818KG FLAGSTAF	ST C (D.MMS:  NV A 35.0158 1. 0 UT A 36.5049 1 A CA A 33.4807 1: 0 UT A 38.3230 1. F AZ A 34.5808 1: AZ A 34.0830 1.	S) REL CHN  14.2157 2ND 228C1 13.2928 2ND 228C2 16.1327 1ST 229B 12.0331 1ST 229C 11.3028 CO 230C  14.1750 CO 230C3	2.75H2.75V 5 2.4H 2.4V 5 26.5H26.5V 4 41H 41V 8 100B 100B 4	576 577 197 179 160	(KM) {8 122.7 1 164.8 1 268.8 2 384.0 2 337.8 2	M) (KM) 05. 05. 117. 441. 190.
FROM TO CALL STS FILE NUMBER CITY  151.7 332.0 KADD LIC BLH971104KG LAUGHLIN 55.0 235.9 KSNN LIC BLH991105AA SAINT GE 204.7 24.0 KCLB-F LIC BLH940317KA COACHELL 41.9 223.7 KCYQ LIC BLH961107KA RICHFIEL 109.0 291.0 KMGN LIC BMLH940818KG FLAGSTAF  162.5 342.9 971003 CP BPH971003ME PARKER  235.6 53.8 KZLA-F LIC BLH910802KA LOS ANGE	ST C (D.MMS:  NV A 35.0158 1. 0 UT A 36.5049 1 A CA A 33.4807 1. D UT A 38.3230 1. F AZ A 34.5808 1. AZ A 34.0830 1. L CA A 34.1357 1.	REL CHN  14.2157 2ND 228C1 13.2928 2ND 228C2 16.1327 1ST 229B 12.0331 1ST 229C 11.3028 CO 230C  14.1750 CO 230C3  18.0418 CO 230B	2.75H2.75V 5 2.4H 2.4V 5 26.5H26.5V 4 41H 41V 8 100B 100B 4 10H 10V -	576 577 197 179 160 -46 OK	(KM) {8 122.7 1 164.8 1 268.8 2 384.0 2 337.8 2 216.8 2	M) (KM) 05. 05. 117. 141. 1990. 137. S
FROM TO CALL STS FILE NUMBER CITY  151.7 332.0 KADD LIC BLH971104KG LAUGHLIN 55.0 235.9 KSNN LIC BLH991105AA SAINT GE 204.7 24.0 KCLB-F LIC BLH940317KA COACHELL 41.9 223.7 KCYQ LIC BLH961107KA RICHFIEL 109.0 291.0 KMGN LIC BMLH940818KG FLAGSTAF	ST C (D.MMS:  NV A 35.0158 1. 0 UT A 36.5049 1 A CA A 33.4807 1. D UT A 38.3230 1. F AZ A 34.5808 1. AZ A 34.0830 1. L CA A 34.1357 1.	REL CHN  14.2157 2ND 228C1 13.2928 2ND 228C2 16.1327 1ST 229B 12.0331 1ST 229C 11.3028 CO 230C  14.1750 CO 230C3  18.0418 CO 230B	2.75H2.75V 5 2.4H 2.4V 5 26.5H26.5V 4 41H 41V 8 100B 100B 4 10H 10V -	576 577 197 179 160 -46 OK	(KM) {8 122.7 1 164.8 1 268.8 2 384.0 2 337.8 2	M) (KM) 05. 05. 117. 141. 1990. 137. S
FROM TO CALL STS FILE NUMBER CITY  151.7 332.0 KADD LIC BLH971104KG LAUGHLIN 55.0 235.9 KSNN LIC BLH991105AA SAINT GE 204.7 24.0 KCLB-F LIC BLH940317KA COACHELL 41.9 223.7 KCYQ LIC BLH961107KA RICHFIEL 109.0 291.0 KMGN LIC BMLH940818KG FLAGSTAF  162.5 342.9 971003 CP BPH971003ME PARKER  235.6 53.8 KZLA-F LIC BLH910802KA LOS ANGE 260.5 78.3 KISV LIC BLH960516KB BAKERSFI	ST C (D.MMS:  NV A 35.0158 1. 0 UT A 36.5049 1 A CA A 33.4807 1. D UT A 38.3230 1. F AZ A 34.5808 1. AZ A 34.0830 1. L CA A 34.1357 1. E CA A 35.2617 1.	REL CHN  14.2157 2ND 228C1 13.2928 2ND 228C2 16.1327 1ST 229B 12.0331 1ST 229C 11.3028 CO 230C  14.1750 CO 230C3  18.0418 CO 230B 18.4422 1ST 231B	2.75H2.75V 5 2.4H 2.4V 5 26.5H26.5V 4 41H 41V 8 100B 100B 4 10H 10V 7 18.5H 16V 5 4.5H 4.5V 4	576 577 197 179 160 -46 OK	(KM) {8 122.7 1 164.8 1 268.8 2 384.0 2 337.8 2 216.8 2 341.8 2 343.6 2	M) (KM) 05. 05. 117. 141. 190. 137. S
FROM TO CALL STS FILE NUMBER CITY  151.7 332.0 KADD LIC BLH971104KG LAUGHLIN 55.0 235.9 KSNN LIC BLH991105AA SAINT GE 204.7 24.0 KCLB-F LIC BLH940317KA COACHELL 41.9 223.7 KCYQ LIC BLH961107KA RICHFIEL 109.0 291.0 KMGN LIC BMLH940818KG FLAGSTAF  162.5 342.9 971003 CP BPH971003ME PARKER  235.6 53.8 KZLA-F LIC BLH910802KA LOS ANGE 260.5 78.3 KISV LIC BLH960516KB BAKERSFI  0.0 0.0 KMXB LIC BMLH951120KF HENDERSO	ST C (D.MMS:  NV A 35.0158 1. 0 UT A 36.5049 1 A CA A 33.4807 1. D UT A 38.3230 1. F AZ A 34.5808 1. AZ A 34.0830 1. L CA A 34.1357 1. E CA A 35.2617 1. N NV A 36.0026 1.	REL CHN  14.2157 2ND 228C1 13.2928 2ND 228C2 16.1327 1ST 229B 12.0331 1ST 229C 11.3028 CO 230C  14.1750 CO 230C3  18.0418 CO 230B 18.4422 1ST 231B  15.0024 1ST 231C	2.75H2.75V 5 2.4H 2.4V 5 26.5H26.5V 1 41H 41V 8 100B 100B 4 10H 10V 5 18.5H 16V 5 4.5H 4.5V 4	576 577 197 1879 160 -46 OK 956D 106	(KM) (8 122.7 1 164.8 1 268.8 2 384.0 2 337.8 2 215.8 2 341.8 2 343.6 2	M) (KM) .0505172412902375 .274217.
FROM TO CALL STS FILE NUMBER CITY  151.7 332.0 KADD LIC BLH971104KG LAUGHLIN 55.0 235.9 KSNN LIC BLH991105AA SAINT GE 204.7 24.0 KCLB-F LIC BLH940317KA COACHELL 41.9 223.7 KCYQ LIC BLH961107KA RICHFIEL 109.0 291.0 KMGN LIC BMLH940818KG FLAGSTAF  162.5 342.9 971003 CP BPH971003ME PARKER  235.6 53.8 KZLA-F LIC BLH910802KA LOS ANGE 260.5 78.3 KISV LIC BLH960516KB BAKERSFI	ST C (D.MMS:  NV A 35.0158 1. 0 UT A 36.5049 1 A CA A 33.4807 1. D UT A 38.3230 1. F AZ A 34.5808 1. AZ A 34.0830 1. L CA A 34.1357 1. E CA A 35.2617 1. N NV A 36.0026 1.	REL CHN  14.2157 2ND 228C1 13.2928 2ND 228C2 16.1327 1ST 229B 12.0331 1ST 229C 11.3028 CO 230C  14.1750 CO 230C3  18.0418 CO 230B 18.4422 1ST 231B  15.0024 1ST 231C	2.75H2.75V 5 2.4H 2.4V 5 26.5H26.5V 4 41H 41V 8 100B 100B 4 10H 10V 7 18.5H 16V 5 4.5H 4.5V 4	576 577 197 1879 160 -46 OK 956D 106	(KM) {8 122.7 1 164.8 1 268.8 2 384.0 2 337.8 2 216.8 2 341.8 2 343.6 2	M) (KM) .0505172412902375 .274217.
FROM TO CALL STS FILE NUMBER CITY  151.7 332.0 KADD LIC BLH971104KG LAUGHLIN 55.0 235.9 KSNN LIC BLH991105AA SAINT GE 204.7 24.0 KCLB-F LIC BLH940317KA COACHELL 41.9 223.7 KCYQ LIC BLH961107KA RICHFIEL 109.0 291.0 KMGN LIC BMLH940818KG FLAGSTAF  162.5 342.9 971003 CP BPH971003ME PARKER  235.6 53.8 KZLA-F LIC BLH910802KA LOS ANGE 260.5 78.3 KISV LIC BLH960516KB BAKERSFI  0.0 0.0 KMXB LIC BMLH951120KF HENDERSO 39.0 219.0 KMXB CP BPH991005AB HENDERSO	ST C (D.MMS:  NV A 35.0158 1.  O UT A 36.5049 1 A CA A 33.4807 1: D UT A 38.3230 1. F AZ A 34.5808 1: AZ A 34.0830 1.  L CA A 34.1357 1: E CA A 35.2617 1: N NV A 36.0030 1:	S) REL CHN  14.2157 2ND 228C1 13.2928 2ND 228C2 16.1327 1ST 229B 12.0331 1ST 229C 11.3028 CO 230C  14.1750 CO 230C3  18.0418 CO 230B 18.4422 1ST 231B  15.0024 1ST 231C 15.0020 1ST 231C	2.75H2.75V 2.4H 2.4V 5 26.5H26.5V 41H 41V 8 100B 100B 4 10H 10V 5 18.5H 16V 5 4.5H 4.5V 4 100H 100V 3 100B 100B 3	576 577 197 179 160 -46 OK 956D 106	(KM) (8 122.7 1 164.8 1 268.8 2 384.0 2 337.8 2 215.8 2 341.8 2 343.6 2	M) (KM) .050517241290375 .274177441441
FROM TO CALL STS FILE NUMBER CITY  151.7 332.0 KADD LIC BLH971104KG LAUGHLIN 55.0 235.9 KSNN LIC BLH991105AA SAINT GE 204.7 24.0 KCLB-F LIC BLH940317KA COACHELL 41.9 223.7 KCYQ LIC BLH961107KA RICHFIEL 109.0 291.0 KMGN LIC BMLH940818KG FLAGSTAF  162.5 342.9 971003 CP BPH971003ME PARKER  235.6 53.8 KZLA-F LIC BLH910802KA LOS ANGE 260.5 78.3 KISV LIC BLH960516KB BAKERSFI  0.0 0.0 KMXB LIC BMLH951120KF HENDERSO 39.0 219.0 KMXB CP BPH991005AB HENDERSO 30.4 210.6 KBHQ APP BMPH000524AA MOAPA VA	ST C (D.MMS:  NV A 35.0158 1. 0 UT A 36.5049 1 A CA A 33.4807 1. D UT A 38.3230 1. F AZ A 34.5808 1. AZ A 34.0830 1. L CA A 34.1357 1. E CA A 35.2617 1. N NV A 36.0026 1. N NV A 36.0030 1. L NV A 36.4057 1.	S) REL CHN  14.2157 2ND 228C1 13.2928 2ND 228C2 16.1327 1ST 229B 12.0331 1ST 229C 11.3028 CO 230C  14.1750 CO 230C3  18.0418 CO 230B 18.4422 1ST 231B  15.0024 1ST 231C 15.0020 1ST 231C	2.75H2.75V 2.4H 2.4V 5 26.5H26.5V 41H 41V 8 100B 100B 4 10H 10V 5 18.5H 16V 5 4.5H 4.5V 4 100H 100V 3 100B 100B 3	576 577 197 179 160 -46 OK 956D 106	(KM) (8 122.7 1 164.8 1 268.8 2 384.0 2 337.8 2 216.8 2 341.8 2 343.6 2 0.0 2 0.2 2	M) (KM) .050517241290375 .274177441441441.
FROM TO CALL STS FILE NUMBER CITY  151.7 332.0 KADD LIC BLH971104KG LAUGHLIN 55.0 235.9 KSNN LIC BLH991105AA SAINT GE 204.7 24.0 KCLB-F LIC BLH940317KA COACHELL 41.9 223.7 KCYQ LIC BLH961107KA RICHFIEL 109.0 291.0 KMGN LIC BMLH940818KG FLAGSTAF  162.5 342.9 971003 CP BPH971003ME PARKER  235.6 53.8 KZLA-F LIC BLH910802KA LOS ANGE 260.5 78.3 KISV LIC BLH960516KB BAKERSFI  0.0 0.0 KMXB LIC BMLH951120KF HENDERSO 39.0 219.0 KMXB CP BPH991005AB HENDERSO 30.4 210.6 KBHQ APP BMPH000524AA MOAPA VA 30.4 210.6 KBHQ APP BMPH000524AA MOAPA VA	ST C (D.MMS:  NV A 35.0158 1.  O UT A 36.5049 1 A CA A 33.4807 1: D UT A 38.3230 1.  F AZ A 34.5808 1: AZ A 34.0830 1.  L CA A 34.1357 1: E CA A 35.2617 1: N NV A 36.0030 1: L NV A 36.0030 1: L NV A 36.4057 1: L NV A 36.4057 1:	S) REL CHN  14.2157 2ND 228C1 13.2928 2ND 228C2 16.1327 1ST 229B 12.0331 1ST 229C 11.3028 CO 230C  14.1750 CO 230C3  18.0418 CO 230B 18.4422 1ST 231B  15.0024 1ST 231C 15.0020 1ST 231C  14.3046 IF 284C1 14.3046 IF 284C1	2.75H2.75V 2.4H 2.4V 5 26.5H26.5V 41H 41V 8 100B 100B 4 10H 10V 5 18.5H 16V 4 4.5H 4.5V 4 100H 100V 3 100B 100B 3	576 577 197 179 160 -46 OK 956D 106 869 854	(KM) {K 122.7 1 164.8 1 268.8 2 384.0 2 337.8 2 216.8 2 341.8 2 343.6 2 0.0 2 0.2 2 87.1 87.1	M) (KM) 05. 05. 117. 141. 1290. 137. 5 174. 117. 141 41. 41. 41.
FROM TO CALL STS FILE NUMBER CITY  151.7 332.0 KADD LIC BLH971104KG LAUGHLIN 55.0 235.9 KSNN LIC BLH991105AA SAINT GE 204.7 24.0 KCLB-F LIC BLH940317KA COACHELL 41.9 223.7 KCYQ LIC BLH961107KA RICHFIEL 109.0 291.0 KMGN LIC BMLH940818KG FLAGSTAF  162.5 342.9 971003 CP BPH971003ME PARKER  235.6 53.8 KZLA-F LIC BLH910802KA LOS ANGE 260.5 78.3 KISV LIC BLH960516KB BAKERSFI  0.0 0.0 KMXB LIC BMLH951120KF HENDERSO 39.0 219.0 KMXB CP BPH991005AB HENDERSO 30.4 210.6 KBHQ APP BMPH000524AA MOAPA VA	ST C (D.MMS:  NV A 35.0158 1.  O UT A 36.5049 1 A CA A 33.4807 1: D UT A 38.3230 1.  F AZ A 34.5808 1: AZ A 34.0830 1.  L CA A 34.1357 1: E CA A 35.2617 1: N NV A 36.0030 1: L NV A 36.0030 1: L NV A 36.4057 1: L NV A 36.4057 1:	S) REL CHN  14.2157 2ND 228C1 13.2928 2ND 228C2 16.1327 1ST 229B 12.0331 1ST 229C 11.3028 CO 230C  14.1750 CO 230C3  18.0418 CO 230B 18.4422 1ST 231B  15.0024 1ST 231C 15.0020 1ST 231C  14.3046 IF 284C1 14.3046 IF 284C1	2.75H2.75V 2.4H 2.4V 5 26.5H26.5V 41H 41V 8 100B 100B 4 10H 10V 5 18.5H 16V 4 4.5H 4.5V 4 100H 100V 3 100B 100B 3	576 577 197 179 160 -46 OK 956D 106 869 854	(KM) {K 122.7 1 164.8 1 268.8 2 384.0 2 337.8 2 216.8 2 341.8 2 343.6 2 0.0 2 0.2 2 87.1 87.1	M) (KM) 05. 05. 117. 141. 1290. 137. 5 174. 117. 141 41. 41. 41.
FROM TO CALL STS FILE NUMBER CITY  151.7 332.0 KADD LIC BLH971104KG LAUGHLIN 55.0 235.9 KSNN LIC BLH991105AA SAINT GE 204.7 24.0 KCLB-F LIC BLH940317KA COACHELL 41.9 223.7 KCYQ LIC BLH961107KA RICHFIEL 109.0 291.0 KMGN LIC BMLH940818KG FLAGSTAF  162.5 342.9 971003 CP BPH971003ME PARKER  235.6 53.8 KZLA-F LIC BLH910802KA LOS ANGE 260.5 78.3 KISV LIC BLH960516KB BAKERSFI  0.0 0.0 KMXB LIC BMLH951120KF HENDERSO 39.0 219.0 KMXB CP BPH991005AB HENDERSO 39.0 219.0 KMXB CP BMPH000524AA MOAPA VA 30.4 210.6 KBHQ APP BMPH000524AA MOAPA VA	ST C (D.MMS:  NV A 35.0158 1.  O UT A 36.5049 1 A CA A 33.4807 1.  D UT A 38.3230 1.  F AZ A 34.5808 1.  AZ A 34.0830 1.  L CA A 34.1357 1.  E CA A 35.2617 1.  N NV A 36.0026 1.  N NV A 36.0030 1.  L NV A 36.4057 1.  L NV A 36.4057 1.	S) REL CHN  14.2157 2ND 228C1 13.2928 2ND 228C2 16.1327 1ST 229B 12.0331 1ST 229C 11.3028 CO 230C  14.1750 CO 230C3  18.0418 CO 230B 18.4422 1ST 231B  15.0024 1ST 231C 15.0020 1ST 231C  14.3046 IF 284C1 14.3046 IF 284C1	2.75H2.75V 2 2.4H 2.4V 5 26.5H26.5V 1 100B 100B 4 10H 10V - 18.5H 16V 5 4.5H 4.5V 4 100H 100V 3 100B 100B 3	576 577 197 179 160 -46 OK 956D 106 869 854	(KM) {K 122.7 1 164.8 1 268.8 2 384.0 2 337.8 2 216.8 2 341.8 2 343.6 2 0.0 2 0.2 2 87.1 87.1	M) (KM) .0505172412903375 .74117441441441*******************
FROM TO CALL STS FILE NUMBER CITY  151.7 332.0 KADD LIC BLH971104KG LAUGHLIN 55.0 235.9 KSNN LIC BLH991105AA SAINT GE 204.7 24.0 KCLB-F LIC BLH940317KA COACHELL 41.9 223.7 KCYQ LIC BLH961107KA RICHFIEL 109.0 291.0 KMGN LIC BMLH940818KG FLAGSTAF  162.5 342.9 971003 CP BPH971003ME PARKER  235.6 53.8 KZLA-F LIC BLH910802KA LOS ANGE 260.5 78.3 KISV LIC BLH960516KB BAKERSFI  0.0 0.0 KMXB LIC BMLH951120KF HENDERSO 39.0 219.0 KMXB CP BPH991005AB HENDERSO 39.0 219.0 KMXB CP BPH991005AB HENDERSO 30.4 210.6 KBHQ APP BMPH000524AA MOAPA VA 30.4 210.6 KBHQ VAC MOAPA VA  DISTANCE DISTANCE CALL LOCATION	ST C (D.MMS)  NV A 35.0158 1.  O UT A 36.5049 1 A CA A 33.4807 1. D UT A 38.3230 1. F AZ A 34.5808 1.  AZ A 34.0830 1.  L CA A 34.1357 1. E CA A 35.2617 1. N NV A 36.0026 1. N NV A 36.0030 1. L NV A 36.4057 1. L NV A 36.4057 1.	S) REL CHN  14.2157 2ND 228C1 13.2928 2ND 228C2 16.1327 1ST 229B 12.0331 1ST 229C 11.3028 CO 230C  14.1750 CO 230C3  18.0418 CO 230B 18.4422 1ST 231B  15.0024 1ST 231C 15.0020 1ST 231C  14.3046 IF 284C1  14.3046 IF 284C1	2.75H2.75V 2.4H 2.4V 5 26.5H26.5V 41H 41V 8 100B 100B 4 10H 10V 5 18.5H 16V 4 4.5H 4.5V 4 100H 100V 3 100B 100B 3	576 577 197 179 160 -46 OK 956D 106 869 854	(KM) {K 122.7 1 164.8 1 268.8 2 384.0 2 337.8 2 216.8 2 341.8 2 343.6 2 0.0 2 0.2 2 87.1 87.1	M) (KM) .0505172412903375 .7411744144144142IMUTH
FROM TO CALL STS FILE NUMBER CITY  151.7 332.0 KADD LIC BLH971104KG LAUGHLIN 55.0 235.9 KSNN LIC BLH991105AA SAINT GE 204.7 24.0 KCLB-F LIC BLH940317KA COACHELL 41.9 223.7 KCYQ LIC BLH961107KA RICHFIEL 109.0 291.0 KMGN LIC BMLH940818KG FLAGSTAF  162.5 342.9 971003 CP BPH971003ME PARKER  235.6 53.8 KZLA-F LIC BLH910802KA LOS ANGE 260.5 78.3 KISV LIC BLH960516KB BAKERSFI  0.0 0.0 KMXB LIC BMLH951120KF HENDERSO 39.0 219.0 KMXB CP BPH991005AB HENDERSO 39.0 219.0 KMXB CP BMPH000524AA MOAPA VA 30.4 210.6 KBHQ APP BMPH000524AA MOAPA VA	ST C (D.MMS)  NV A 35.0158 1.  O UT A 36.5049 1 A CA A 33.4807 1. D UT A 38.3230 1. F AZ A 34.5808 1.  AZ A 34.0830 1.  L CA A 34.1357 1. E CA A 35.2617 1. N NV A 36.0026 1. N NV A 36.0030 1. L NV A 36.4057 1. L NV A 36.4057 1.	S) REL CHN  14.2157 2ND 228C1 13.2928 2ND 228C2 16.1327 1ST 229B 12.0331 1ST 229C 11.3028 CO 230C  14.1750 CO 230C3  18.0418 CO 230B 18.4422 1ST 231B  15.0024 1ST 231C 15.0020 1ST 231C  14.3046 IF 284C1 14.3046 IF 284C1	2.75H2.75V 2 2.4H 2.4V 5 26.5H26.5V 1 100B 100B 4 10H 10V - 18.5H 16V 5 4.5H 4.5V 4 100H 100V 3 100B 100B 3	576 577 197 179 160 -46 OK 956D 106 869 854	(KM) {K 122.7 1 164.8 1 268.8 2 384.0 2 337.8 2 216.8 2 341.8 2 343.6 2 0.0 2 0.2 2 87.1 87.1	M) (KM) .0505172412903375 .74117441441441*******************
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Note: Parker CP moving to Ch. 248B1 34-15-20 / 114-17-20

CHANNEL ALLOCATION STUDY FOR CH. 230C -KMXB. FROM LICENSE REF. POINT FOR HENDERSON, NV.

COUNTERPROPOSAL - MM DOC 01 - 69

MULLANEY ENGINEERING, INC. GAITHERSBURG, MARYLAND

> FIGURE 6 MAY 2001

******** FM CH	ANNEL STUDY NO. 1 - MU	LLANEY ENGINEERIN LAST	NG, INC. GAITHERS UPDATE: 010506	BURG, MARYL	AND - 7	-MAY-01 10:26:48 ****	
KFLG	234 CO FR	DOLVELLANGE	ERP (KW)	113.50	DOSMOT		
SEARCHLIGHT NV US		POLARIZATION	HOR PLN BM TIL	TAAH COODOOW) OO	RCAMSL		
35 5650 115 0301 /D	.MMSS) 94.7 MHz	UODIZONTAI	100.000 0.00	T (METER) 0 450.0			
33.3030 113.0301 (D	.ranbb)	VERTICAL	100.000 0.00		1242.7		
		APKLICHT	100.000 0.00	0 450.0	1242.7		
THE FOLLOWING CONTO	URS ARE CALCULATED USING: 20.0 (DBK) HAAT= 450.0	(METERS)	CALCULATE	D HAAT FROM	TOPO DATA	BASE	
		()	AZIMUTH	HAAT	TAAH	CONTOURS (KM)	
INTERFERING DO	MESTIC		DEGREES	(METERS)	(FEET)	70 DBU 60 DBU	
DBU			0.0	587.8	1928.3	67.2 91.3	
CO CHANNEL ( 40.0			45.0	522.2	1713.1	63.6 88.0	
1ST ADJACENT ( 54.0	2		90.0	487.6	1599.7	61.4 86.0	
2ND ADJACENT ( 80.0	•		135.0	590.7	1938.1	67.3 91.5	
3RD ADJACENT (100.0	<b>2</b>		180.0		702.1	44.1 65.1	
THE INDICENT (100,0)	, 13.1		225.0	255.6	838.7		
PROTECTED ( 60.0	, 83 V		270.0		1337.0	56.7 80.3	
TROIDETION	, 05.4		315.0		1754.0	64.5 88.8	
CITY GRADE ( 70.0)	. 5Q 1		313.0	234.0	1/34.0	04.3 00.0	
offi ofense ( 70.0)	, 37.1		AVERAG	E 450.0	1476.4	59.1 83.4	
********	*******	********	********				*******
********	*************************		ON A BEARING OF			******	******
AZIMUTH			*********	*******	******		
AZIMUTH		LAT	LONG	ERP (KW) F	AAT D	IR	IC REZLT
AZIMUTH	*********	LAT	*********	ERP (KW) F	AAT D	IR DIST RSEP	IC REZLT RSEP IR IC
AZIMUTH	*********	LAT	LONG	ERP (KW) F	AAT D	IR	IC REZLT RSEP IR IC
AZIMUTH	S FILE NUMBER CITY	LAT ST C (D.MMS	LONG S) REL CHN	ERP (KW) E	HAAT D (M) A	IR DIST RSEP	IC REZLT RSEP IR IC (KM)
AZIMUTH FROM TO CALL SO 30.5 210.5 KMXB LO	TS FILE NUMBER CITY  TC BMLH951120KF HENDERS	LAT ST C (D.MMS ON NV A 36.0026 1	LONG S) REL CHN 15.0024 3RD 231C	ERP (KW) E HORZ VERT	IAAT D (M) A	IR DIST RSEP (KM) (KM) DK 7.7 105.	IC REZLT RSEP IR IC (KM)
AZIMUTH FROM TO CALL SO 30.5 210.5 KMXB LO	TS FILE NUMBER CITY  TC BMLH951120KF HENDERS	LAT ST C (D.MMS ON NV A 36.0026 1	LONG S) REL CHN 15.0024 3RD 231C	ERP (KW) E HORZ VERT	IAAT D (M) A	IR DIST RSEP (KM) (KM)	IC REZLT RSEP IR IC (KM)
AZIMUTH FROM TO CALL SO 30.5 210.5 KMXB LO	FILE NUMBER CITY  C BMLH951120KF HENDERS DPH991005AB HENDERS	LAT ST C (D.MMS ON NV A 36.0026 1 ON NV A 36.0030 1	LONG S) REL CHN 15.0024 3RD 231C	ERP (KW) F HORZ VERT 100H 100V 100B 100B	IAAT D (M) A 369 (	IR DIST RSEP (KM) (KM) DK 7.7 105.	IC REZLT RSEP IR IC (KM)
AZIMUTH FROM TO CALL SO  30.5 210.5 KMXB LO  30.6 210.6 KMXB CR	FS FILE NUMBER CITY  CC BMLH951120KF HENDERS DPH991005AB HENDERS  AC CALIENT	LAT ST C (D.MMS ON NV A 36.0026 1 ON NV A 36.0030 1 E NV A 37.3654 1	LONG S) REL CHN 15.0024 3RD 231C 15.0020 3RD 231C 14.3048 1ST 233C1	ERP (KW) F HORZ VERT 100H 100V 100B 100B	IAAT D (M) A  369 ( 354 (	IR DIST RSEP (KM) (KM)  OK 7.7 105. OK 7.9 105. OK 191.2 196.	IC REZLT RSEP IR IC (KM) S S
AZIMUTH FROM TO CALL SO  30.5 210.5 KMXB LO  30.6 210.6 KMXB CR	FS FILE NUMBER CITY  CC BMLH951120KF HENDERS DPH991005AB HENDERS  AC CALIENT	LAT ST C (D.MMS ON NV A 36.0026 1 ON NV A 36.0030 1 E NV A 37.3654 1	LONG S) REL CHN 15.0024 3RD 231C 15.0020 3RD 231C 14.3048 1ST 233C1	ERP (KW) F HORZ VERT 100H 100V 100B 100B	IAAT D (M) A  369 ( 354 (	IR DIST RSEP (KM) (KM)  OK 7.7 105. OK 7.9 105. OK 191.2 196.	IC REZLT RSEP IR IC (KM) S S
AZIMUTH FROM TO CALL SO  30.5 210.5 KMXB LT  30.6 210.6 KMXB CF  14.3 194.6 VA	FILE NUMBER CITY  C BMLH951120KF HENDERS DPH991005AB HENDERS AC CALIENT  C BLH001020AB THOUSAN	LAT ST C (D.MMS ON NV A 36.0026 1 ON NV A 36.0030 1 E NV A 37.3654 1	LONG S) REL CHN 15.0024 3RD 231C 15.0020 3RD 231C 14.3048 1ST 233C1	ERP (KW) F HORZ VERT 100H 100V 100B 100B	IAAT D (M) A  369 ( 354 (	IR DIST RSEP (KM) (KM)  OK 7.7 105. OK 7.9 105. OK 191.2 196.  263.2 215.	IC REZLT RSEP IR IC (KM) S S
AZIMUTH FROM TO CALL SO  30.5 210.5 KMXB LT 30.6 210.6 KMXB CF 14.3 194.6 VA  209.0 28.2 KLOB LT	FS FILE NUMBER CITY  CC BMLH951120KF HENDERS DPH991005AB HENDERS  AC CALIENT	LAT ST C (D.MMS ON NV A 36.0026 1 ON NV A 36.0030 1 E NV A 37.3654 1	LONG S) REL CHN 15.0024 3RD 231C 15.0020 3RD 231C 14.3048 1ST 233C1	ERP (KW) F HORZ VERT 100H 100V 100B 100B	IAAT D (M) A  369 ( 354 (	IR DIST RSEP (KM) (KM)  OK 7.7 105. OK 7.9 105. OK 191.2 196.	IC REZLT RSEP IR IC (KM) S S
AZIMUTH FROM TO CALL SO  30.5 210.5 KMXB LT 30.6 210.6 KMXB CF 14.3 194.6 VA  209.0 28.2 KLOB LT	FILE NUMBER CITY  C BMLH951120KF HENDERS DPH991005AB HENDERS  C CALIENT  C BLH001020AB THOUSAN C BMLH960718KC LOS ANG	LAT ST C (D.MMS  ON NV A 36.0026 1 ON NV A 36.0030 1 E NV A 37.3654 1 D CA A 33.5156 1 EL CA A 34.1329 1	LONG S) REL CHN  15.0024 3RD 231C 15.0020 3RD 231C 14.3048 1ST 233C1 16.2558 CO 234A 18.0347 CO 234B	ERP (KW) F HORZ VERT 100H 100V 100B 100B H V 1.65H1.65V 58B 58B	369 ( 354 ( 195D 863	IR DIST RSEP (KM) (KM)  OK 7.7 105. OK 7.9 105. OK 191.2 196.  263.2 215.	IC REZLT RSEP IR IC (KM) S S
AZIMUTH FROM TO CALL SO  30.5 210.5 KMXB LO 30.6 210.6 KMXB CH 14.3 194.6 VA  209.0 28.2 KLOB LO 235.9 54.2 KTWV LO	FILE NUMBER CITY  C BMLH951120KF HENDERS DPH991005AB HENDERS  C CALIENT  C BLH001020AB THOUSAN C BMLH960718KC LOS ANG  C BLH870511KB KINGMAN	LAT ST C (D.MMS  ON NV A 36.0026 1 ON NV A 36.0030 1 E NV A 37.3654 1 D CA A 33.5156 1 EL CA A 34.1329 1 AZ A 35.0640 1	LONG S) REL CHN  15.0024 3RD 231C 15.0020 3RD 231C 14.3048 1ST 233C1 16.2558 CO 234A 18.0347 CO 234B  13.5308 CO 234C	ERP (KW) F HORZ VERT 100H 100V 100B 100B H V 1.65H1.65V 58B 58B 46H 46V	369 ( 354 ( 195D 863	IR DIST RSEP (KM) (KM)  OK 7.7 105. OK 7.9 105.  OK 191.2 196.  263.2 215. 334.7 272.	IC REZLT RSEP IR IC (KM) S S
AZIMUTH FROM TO CALL SO  30.5 210.5 KMXB LO 30.6 210.6 KMXB CH 14.3 194.6 VA  209.0 28.2 KLOB LO 235.9 54.2 KTWV LO  131.1 311.8 KFLG-F LO	FILE NUMBER CITY  C BMLH951120KF HENDERS DPH991005AB HENDERS  C CALIENT  C BLH001020AB THOUSAN C BMLH960718KC LOS ANG  C BLH870511KB KINGMAN	LAT ST C (D.MMS  ON NV A 36.0026 1 ON NV A 36.0030 1 E NV A 37.3654 1 D CA A 33.5156 1 EL CA A 34.1329 1 AZ A 35.0640 1	LONG S) REL CHN  15.0024 3RD 231C 15.0020 3RD 231C 14.3048 1ST 233C1 16.2558 CO 234A 18.0347 CO 234B  13.5308 CO 234C	ERP (KW) F HORZ VERT 100H 100V 100B 100B H V 1.65H1.65V 58B 58B 46H 46V	369 ( 354 ( 195D 863	IR DIST RSEP (KM) (KM)  OK 7.7 105. OK 7.9 105.  OK 191.2 196.  263.2 215. 334.7 272.  140.6 281.	IC REZLT RSEP IR IC (KM) S S
AZIMUTH FROM TO CALL SO  30.5 210.5 KMXB LO 30.6 210.6 KMXB CH 14.3 194.6 VA  209.0 28.2 KLOB LO 235.9 54.2 KTWV LO  131.1 311.8 KFLG-F LO	FILE NUMBER CITY  BMLH951120KF HENDERS DPH991005AB HENDERS  CALIENT C BLH001020AB THOUSAN BMLH960718KC LOS ANG BLH870511KB KINGMAN BPH990714IL KINGMAN	LAT ST C (D.MMS  ON NV A 36.0026 1 ON NV A 36.0030 1  E NV A 37.3654 1  D CA A 33.5156 1 EL CA A 34.1329 1  AZ A 35.0640 1 AZ A 35.0158 1	LONG S) REL CHN  15.0024 3RD 231C 15.0020 3RD 231C  14.3048 1ST 233C1  16.2558 CO 234A 18.0347 CO 234B  13.5308 CO 234C 14.2157 CO 234C1	ERP (KW) F HORZ VERT 100H 100V 100B 100B H V 1.65H1.65V 58B 58B 46H 46V 17H 17V	369 (0 354 (0 195D 863 760 571E	IR DIST RSEP (KM) (KM)  OK 7.7 105. OK 7.9 105.  OK 191.2 196.  263.2 215. 334.7 272.  140.6 281.	IC REZLT RSEP IR IC (KM) S S
AZIMUTH FROM TO CALL SO  30.5 210.5 KMXB LO  30.6 210.6 KMXB CH  14.3 194.6 VA  209.0 28.2 KLOB LO  235.9 54.2 KTWV LO  131.1 311.8 KFLG-F LO  148.4 328.8 KFLG-F CH	FILE NUMBER CITY  BMLH951120KF HENDERS DPH991005AB HENDERS  CALIENT C BLH001020AB THOUSAN BMLH960718KC LOS ANG BLH870511KB KINGMAN BPH990714IL KINGMAN	LAT ST C (D.MMS  ON NV A 36.0026 1 ON NV A 36.0030 1  E NV A 37.3654 1  D CA A 33.5156 1 EL CA A 34.1329 1  AZ A 35.0640 1 AZ A 35.0158 1	LONG S) REL CHN  15.0024 3RD 231C 15.0020 3RD 231C  14.3048 1ST 233C1  16.2558 CO 234A 18.0347 CO 234B  13.5308 CO 234C 14.2157 CO 234C1	ERP (KW) F HORZ VERT 100H 100V 100B 100B H V 1.65H1.65V 58B 58B 46H 46V 17H 17V	369 (0 354 (0 195D 863 760 571E	IR DIST RSEP (KM) (KM)  OK 7.7 105. OK 7.9 105.  OK 191.2 196.  263.2 215. 334.7 272.  140.6 281. 119.0 259.	IC REZLT RSEP IR IC (KM)  S S S
AZIMUTH FROM TO CALL SO  30.5 210.5 KMXB LO  30.6 210.6 KMXB CH  14.3 194.6 VA  209.0 28.2 KLOB LO  235.9 54.2 KTWV LO  131.1 311.8 KFLG-F LO  148.4 328.8 KFLG-F CH	FILE NUMBER CITY  C BMLH951120KF HENDERS DPH991005AB HENDERS C CALIENT C BLH001020AB THOUSAN BMLH960718KC LOS ANG C BLH870511KB KINGMAN D BPH990714IL KINGMAN D BPH991107MS BAKER C BLH890717KF CEDAR C	LAT ST C (D.MMS  ON NV A 36.0026 1 ON NV A 36.0030 1 E NV A 37.3654 1 D CA A 33.5156 1 EL CA A 34.1329 1 AZ A 35.0640 1 AZ A 35.0158 1 CA A 35.2610 1 IT UT A 37.4551 1	LONG S) REL CHN  15.0024 3RD 231C 15.0020 3RD 231C  14.3048 1ST 233C1  16.2558 CO 234A 18.0347 CO 234B  13.5308 CO 234C 14.2157 CO 234C1  15.5525 1ST 235B1  13.0615 1ST 235C1	ERP (KW) E HORZ VERT  100H 100V 100B 100B  H V  1.65H1.65V 58B 58B  46H 46V 17H 17V  1H 1V 55H 55V	369 (0 369 (0 354 (0 195D 863 (0) 760 571E (0) 399E (0)	IR DIST RSEP (KM) (KM)  OK 7.7 105. OK 7.9 105.  OK 191.2 196.  263.2 215. 334.7 272.  140.6 281. 119.0 259.	IC REZLT RSEP IR IC (KM)  S S S
AZIMUTH FROM TO CALL SO  30.5 210.5 KMXB LM 30.6 210.6 KMXB CM 14.3 194.6 VM  209.0 28.2 KLOB LM 235.9 54.2 KTWV LM 131.1 311.8 KFLG-F LM 148.4 328.8 KFLG-F CM 234.5 54.0 KKBK CM	FILE NUMBER CITY  C BMLH951120KF HENDERS DPH991005AB HENDERS C CALIENT C BLH001020AB THOUSAN BMLH960718KC LOS ANG C BLH870511KB KINGMAN D BPH990714IL KINGMAN D BPH991107MS BAKER C BLH890717KF CEDAR C	LAT ST C (D.MMS  ON NV A 36.0026 1 ON NV A 36.0030 1 E NV A 37.3654 1 D CA A 33.5156 1 EL CA A 34.1329 1 AZ A 35.0640 1 AZ A 35.0158 1 CA A 35.2610 1 IT UT A 37.4551 1	LONG S) REL CHN  15.0024 3RD 231C 15.0020 3RD 231C  14.3048 1ST 233C1  16.2558 CO 234A 18.0347 CO 234B  13.5308 CO 234C 14.2157 CO 234C1  15.5525 1ST 235B1  13.0615 1ST 235C1	ERP (KW) E HORZ VERT  100H 100V 100B 100B  H V  1.65H1.65V 58B 58B  46H 46V 17H 17V  1H 1V 55H 55V	369 (0 369 (0 354 (0 195D 863 (0) 760 571E (0) 399E (0)	IR DIST RSEP (KM) (KM)  OK 7.7 105. OK 7.9 105.  OK 191.2 196.  263.2 215. 334.7 272.  140.6 281. 119.0 259.  OK 97.3 180.	IC REZLT RSEP IR IC (KM)  S S S
AZIMUTH FROM TO CALL SO  30.5 210.5 KMXB LM 30.6 210.6 KMXB CM 14.3 194.6 VM  209.0 28.2 KLOB LM 235.9 54.2 KTWV LM 131.1 311.8 KFLG-F LM 148.4 328.8 KFLG-F CM 234.5 54.0 KKBK CM 40.0 221.2 KBRE-F LM	FILE NUMBER CITY  C BMLH951120KF HENDERS DPH991005AB HENDERS AC CALIENT  C BLH001020AB THOUSAN C BMLH960718KC LOS ANG C BLH870511KB KINGMAN D BPH990714IL KINGMAN D BPH991107MS BAKER  C BLH890717KF CEDAR C BPH951102MD PAHRUMP	LAT ST C (D.MMS  ON NV A 36.0026 1 ON NV A 36.0030 1 E NV A 37.3654 1 D CA A 33.5156 1 EL CA A 34.1329 1 AZ A 35.0640 1 AZ A 35.0158 1 CA A 35.2610 1 IT UT A 37.4551 1 NV A 36.1152 1	LONG S) REL CHN  15.0024 3RD 231C 15.0020 3RD 231C  14.3048 1ST 233C1  16.2558 CO 234A 18.0347 CO 234B  13.5308 CO 234C 14.2157 CO 234C1  15.5525 1ST 235B1  13.0615 1ST 235C1 16.0208 2ND 236A	ERP (KW) E HORZ VERT  100H 100V 100B 100B  H V  1.65H1.65V 58B 58B  46H 46V 17H 17V  1H 1V 55H 55V	369 (0 369 (0 354 (0 195D 863 (0) 760 571E (0) 399E (0)	IR DIST RSEP (KM) (KM)  OK 7.7 105. OK 7.9 105.  OK 191.2 196.  263.2 215. 334.7 272.  140.6 281. 119.0 259.  OK 97.3 180.  266.0 196.	IC REZLT RSEP IR IC (KM)  S S S
AZIMUTH FROM TO CALL SO  30.5 210.5 KMXB LM 30.6 210.6 KMXB CM 14.3 194.6 VM  209.0 28.2 KLOB LM 235.9 54.2 KTWV LM 131.1 311.8 KFLG-F CM 148.4 328.8 KFLG-F CM 234.5 54.0 KKBK CM 40.0 221.2 KBRE-F LM 287.8 107.2 KNYE CM	FILE NUMBER CITY  C BMLH951120KF HENDERS DPH991005AB HENDERS AC CALIENT  C BLH001020AB THOUSAN BMLH960718KC LOS ANG C BLH870511KB KINGMAN BPH990714IL KINGMAN BPH9910714F CEDAR C BH890717KF CEDAR C BPH951102MD PAHRUMP BMPH010319AB PAHRUMP	LAT ST C (D.MMS  ON NV A 36.0026 1 ON NV A 36.0030 1 E NV A 37.3654 1 D CA A 33.5156 1 EL CA A 34.1329 1 AZ A 35.0640 1 AZ A 35.0158 1 CA A 35.2610 1 IT UT A 37.4551 1 NV A 36.1152 1 NV A 36.1152 1	LONG S) REL CHN  15.0024 3RD 231C 15.0020 3RD 231C  14.3048 1ST 233C1  16.2558 CO 234A 18.0347 CO 234B  13.5308 CO 234C 14.2157 CO 234C1  15.5525 1ST 235B1  13.0615 1ST 235C1 16.0208 2ND 236A 16.0208 2ND 236A	ERP (KW) E HORZ VERT  100H 100V 100B 100B  H V  1.65H1.65V 58B 58B  46H 46V 17H 17V  1H 1V  55H 55V 6H 6V 6B 6B	369 (0 369 354 (0 195D 863 760 571E 399E (0 -37 -68 -27	IR DIST RSEP (KM) (KM)  OK 7.7 105.  7.9 105.  OK 191.2 196.  263.2 215. 334.7 272.  140.6 281. 119.0 259.  OK 97.3 180.  266.0 196. 93.0 86. 93.0 86.	IC REZLT RSEP IR IC (KM)  S S S S

THERE WERE 0 AM STATIONS WITHIN 6.43 KM (4 MI) OF THE FM REFERENCE COORDINATES

NOTE: KMBX BEING MOVED TO CH. 230C AT LIC SITE CALIENTE BEING MOVED TO CH. 232C1 AT REF SITE KKBK BEING MOVED TO CH. 276B1 AT CP SITE

CHANNEL ALLOCATION STUDY FOR CH. 234C0 -KFLG. FROM SPECIAL REF. POINT FOR SEARCHLIGHT, NV.

COUNTERPROPOSAL - MM DOC 01 - 69

MULLANEY ENGINEERING, INC. GAITHERSBURG, MARYLAND

> FIGURE 7 MAY 2001

#### CERTIFICATE OF SERVICE

I, J. Martin Tansey, hereby certify that on this 7th day of May, 2001, I caused copies of the foregoing "Comments and Counterproposal" to be placed in the U.S. Postal Service, first class postage prepaid, or hand delivered (as indicated below), addressed to the following persons:

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Federal Communications Commission
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